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Developing English language support for immigrant students in Irish post-primary schools: A corpus linguistics approach

Ph.D. Thesis in Applied Linguistics

2012

Stergiani Kostopoulou

University of Dublin, Trinity College

Centre for Language and Communication Studies

Thesis 9620.2

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APPENDIX A: IILT's curriculum framework for post-primary language support

Appendix A1: English Language Proficiency Benchmarks for post-primary ESL students (IILT, 2003a).

English language proficiency benchmarks for non-English-speaking students at post-primary level

Version 2.0

September 2003

Foreword

In 1996 the Irish Refugee Agency commissioned the Centre for Language and Communication Studies (CLCS), Trinity College Dublin, to write a report on the provision of English language support for refugees in Ireland. *Meeting the Language Needs of Refugees*, by David Little and Barbara Lazenby Simpson, outlined some general pedagogical principles, reported on current practice in Ireland and elsewhere, and made a number of recommendations for future action.

One of the key recommendations was that systems of English language proficiency benchmarks and associated assessment procedures should be developed, and that these systems should then be used to identify the English language needs of individual refugees and design language courses to meet those needs. The implementation of this recommendation for non-English-speaking students attending post-primary school was among the principal tasks that the Department of Education and Science assigned to the Refugee Language Support Unit (now Integrate Ireland Language and Training) in its two-year pilot phase (1999–2001).

The original post-primary benchmarks were drawn up in CLCS by Fiona O'Connor in consultation with David Little, Barbara Lazenby Simpson, Eilish Hurley, and a small group of post-primary teachers. The benchmarks were one of the two foundations on which we built the programme of support for post-primary teachers of English as a second language that was launched in June 2000 (the other was a specially designed version of the European Language Portfolio).

The first version of the benchmarks served us well, providing a general map of the ground to be covered and orienting the development of English language proficiency to the linguistic and communicative requirements of the different areas of the curriculum. Nevertheless, as we developed more and more support material for teachers – planning tools, diagnostic and assessment instruments and information sheets, as well as teaching aids of various kinds – we came increasingly to recognize its limitations.

This new version of the benchmarks seeks to overcome those limitations by (i) defining global scales of English language proficiency in greater detail than previously, (ii) supplementing them with new global scales of linguistic competence and general communicative ability, (iii) creating a separate section for personal identification and classroom interaction, which provide a necessary underpinning for all language support, (iv) introducing a new section that focuses on learning to learn and the development of cultural awareness, and (v) rewriting the subject-specific scales to take account of the five communicative skills described in the global benchmarks. In compiling this version we have been able to draw on the wealth of experience and insights that teachers have shared with us at in-service seminars over the past three years.

The original benchmarks were our starting point for developing our version of the European Language Portfolio for non-English-speaking post-primary students and our *Language Training Manual*. Over the coming year these will be revised in the light of this new version of the benchmarks. We thus plan to start the school year 2004–05 with a fully updated English language support curriculum, European Language Portfolio and *Language Training Manual*.

September 2003

David Little and Barbara Lazenby Simpson
Integrate Ireland Language and Training

NDP
NATIONAL DEVELOPMENT PLAN

Integrate Ireland Language and Training is funded by the Department of Education and Science as part of the National Development Plan

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Introduction

What are the benchmarks and where do they come from?

The English language proficiency benchmarks presented in this document are intended to facilitate the design and delivery of English language teaching and support for non-English-speaking students in Irish post-primary schools.

The benchmarks derive from the Council of Europe's *Common European Framework of Reference for Languages* (Cambridge University Press, 2001), which distinguishes five communicative skills – listening, reading, spoken interaction, spoken production, writing – and six levels of proficiency – A1 (BREAKTHROUGH), A2 (WAYSTAGE), B1 (THRESHOLD), B2 (VANTAGE), C1 (EFFECTIVE OPERATIONAL PROFICIENCY), and C2 (MASTERY). Proficiency in each skill is defined at each level by a series of "can do" statements (the appendix reproduces the so-called self-assessment grid from the *Common European Framework*, which summarizes the six levels in relation to the five skills).

The benchmarks differ from the *Common European Framework*, however, in three important respects:

1. They do not describe the full range of English language proficiency achievable by a non-English-speaking student at post-primary level, but rather specify the minimum proficiency required for full participation in mainstream schooling. For that reason, the benchmarks correspond to the first three levels of the *Common European Framework* only.
2. Whereas the descriptions in the *Common European Framework* reflect a trajectory of language learning that typically covers many years of formal education, from young adolescent to mature adult, the post-primary benchmarks are designed to support a process that must be as compact as possible if it is to meet the needs of the target group.
3. Whereas the *Common European Framework* is concerned in the first instance with language learning for general communicative purposes, the post-primary benchmarks are focussed entirely on the communicative needs imposed by the curriculum. This limitation has two consequences. First, the benchmarks are defined in terms of the communicative practices of the post-primary classroom and major themes of the post-primary curriculum. And secondly, they take account of the fact that English language support is provided on a withdrawal basis: they are formulated so as to emphasize the importance of providing students with the means of continuing to learn English during the many hours that they spend each week in mainstream classes.

These considerations help to explain the structure of what follows. Part I provides three summary scales: (i) the *Global benchmarks of communicative proficiency*, which are effectively a domain-specific interpretation of the first three levels of the self-assessment grid from the *Common European Framework* (see appendix); (ii) *Global scales of language competence*, which draw on the *Common European Framework* to specify progression in vocabulary, grammar, phonology, and orthography; and (iii) *Global scales of general communicative ability*, which likewise draw on the *Common European Framework* to specify progression in spoken fluency, planning, compensating, monitoring and repair, flexibility, and turn-taking. Part II offers two scales that focus on *Personal identification* and *Classroom interaction*: the point of departure for language support but also its most important guiding threads. Part III is concerned with learning to learn and the development of cultural awareness, providing suggestions as to how these should be dealt with at A1, A2 and B1. Finally, Part IV supplements the general descriptions provided in Parts I and II with five scales that focus on the communicative demands of different areas of the curriculum.

Uses of the post-primary benchmarks

In conjunction with the other tools and materials developed by IILT, the post-primary benchmarks can be used to

- *define the language support teacher's task*;
- *assess the proficiency of each non-English-speaking student newly admitted to the school*;

- *monitor his/her progress*;
- *identify the point at which he/she can be fully integrated in the mainstream*;
- *select appropriate learning activities and materials*.

Applying the benchmarks

The starting point for language support can vary greatly, depending on the individual student's age, mother tongue, ethnic background, and previous educational experience. As a consequence, the benchmarks should be applied to individual students rather than to groups. If possible, individual needs should be determined by observing students in mainstream classes. This should quickly reveal what level of language proficiency they already have, if any, and what strategies they are able to deploy to compensate for linguistic deficit.

Later, as the student begins to integrate socially and gradually becomes more confident and self-assured in the classroom, the language support teacher should identify, in collaboration with subject teachers, what topics will occupy the class during the coming six or eight weeks. The benchmarks can then be used to focus language support on those areas that will help the student to begin to identify and engage with what is taking place in mainstream classes.

Inevitably, students enter language support at different stages of English language proficiency, and for some the lowest levels of the benchmarks may not be relevant. For example, a student who attended school for the latter part of last school year will already be familiar with school routines and classroom activities when school resumes in September and can focus immediately on the benchmark areas that support work in mainstream classes.

Students do not all learn in the same way and at the same rate. This makes it even more critical to identify individual pathways of learning, so that the apparently less able student may be helped to progress along a path and in a way that meets his/her particular language learning needs. The individual student's progress through the benchmarks will rarely be entirely predictable and consistent; some skills may develop more quickly than others, and at any particular level some of the tasks articulated in the benchmarks may prove to be more difficult than others.

European Language Portfolio

IILT has developed a version of the European Language Portfolio (ELP) for use with the benchmarks. The ELP consists of three parts:

- *Language passport* – This allows the student to articulate his/her linguistic identity and to set broad learning objectives. It also allows the language support teacher to record a regular assessment of the child's developing proficiency in global terms that are ultimately derived from the *Common European Framework*.
- *Language biography* – This has two purposes: (i) to make the student aware of him/herself as a language learner and (ii) to record his/her progress in learning English. This latter purpose is served by a series of self-assessment checklists derived from the benchmarks. Against each item are three boxes, labelled *With a lot of help*, *With a little help*, and *With no help*. Regularly shading in and dating these boxes provides a detailed record of progress that complements the more general record maintained in the language passport. Together the two records should be invaluable to other language support teachers who may subsequently work with the student, as well as to mainstream subject teachers, school principals and inspectors.
- *Dossier* – In this part of the ELP the student collects worksheets, vocabulary lists, grammar rules and other material relevant to his/her learning of English. The dossier provides practical corroboration of the profile of language proficiency and learning progress recorded in the language passport and language biography.

Part I

Global benchmarks of communicative proficiency and global scales of linguistic competence and general communicative ability

The global benchmarks provide a general definition of levels A1, A2 and B1 in relation to LISTENING, READING, SPOKEN INTERACTION, SPOKEN PRODUCTION and WRITING. Level A1 BREAKTHROUGH launches the educational process by focusing on (i) the very basic communication necessary in order to familiarize students with the daily routines and general environment of school and (ii) basic vocabulary and concepts they will encounter in mainstream classes. As its name implies, A2 WAYSTAGE defines an intermediate level at which the student is able increasingly to benefit linguistically and educationally from his/her presence in the mainstream classroom. And Level B1 THRESHOLD defines the communicative proficiency that students must achieve in order to become fully integrated in the mainstream. As noted in the Introduction, the benchmarks should always be read and applied with due regard for the individual student's age and previous educational experience.

The successive levels defined in the benchmarks involve linguistic development that is also educational. Reading, for example, progresses from familiarity with the alphabet and simple acts of comprehension based on word recognition (A1), through the ability to read simple texts that make frequent use of familiar vocabulary (A2), to the regular deployment of basic study skills, e.g. using diagrams and illustrations to support reading comprehension (B1). Similarly, writing begins as a matter of copying or writing individual words and copying simple sentences from the board (A1); the student then moves on to writing his/her own sentences (A2); and from there he/she progresses to the composition of short texts (B1). These are essentially the same developmental paths as are followed by native speaker students, though in most cases at an earlier age; and for that reason it is necessary to supplement the benchmarks with global scales of linguistic competence and general communicative ability. These define the *quality* of language and oral communication appropriate to each of the three levels.

Global benchmarks of communicative proficiency

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand basic words and phrases concerning him/herself, family and school. Can understand simple questions and instructions when teachers and other students speak slowly and clearly and use visual cues (facial expression, gesture, mime, etc.).	Can understand phrases and the highest frequency vocabulary related to him/herself and family, classroom activities and routines, school instructions and procedures, friends and out-of-class activities. Can understand routine instructions given in all school contexts (classroom, gym, playground, etc.) and outside school (e.g., by a traffic warden). Can follow at a general level topics covered in the mainstream class when key concepts and vocabulary have been studied in advance and there is appropriate visual support.	Can understand detailed instructions given in all school contexts (classroom, gym, playground, etc.). Can understand the main points of topics that are presented and texts that are read aloud in the mainstream classroom provided that key concepts and vocabulary have been studied in advance. Can understand the main points of a short film on a familiar topic relevant to the mainstream curriculum. Can follow classroom talk between two or more native speakers, only occasionally needing to request clarification.
	Reading	Can recognize the letters of the alphabet and numbers. Can understand basic signs and simple notices in the school and on the way to school. Can understand basic words on labels/posters in the classroom and on maps, diagrams, etc. in textbooks. Can identify basic words and phrases in a new piece of text. Can use the alphabet to find particular items in lists (e.g., a name in a telephone book).	Can read and understand very short, simple texts that contain a high proportion of previously learnt vocabulary on familiar subjects. Can use key words, diagrams, illustrations and comprehension questions to find specific information in mainstream textbooks.	Can read and understand the main points in texts encountered in the mainstream class, provided the thematic area and key vocabulary are already familiar or specially prepared in advance. Can use key words, diagrams and illustrations to support reading comprehension and learn new words/concepts. Can read and understand descriptions of events, feelings and wishes in personal letters, newspapers/magazines and short works of fiction. Can follow clearly written instructions (e.g. for carrying out a classroom task, conducting a simple experiment, assembling or using a piece of equipment, etc.).

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
SPEAKING	**Spoken Interaction**	Can greet, take leave, say *please* and *thank you*, and use very basic words and phrases to ask for directions to another place in the school. Can ask for attention in class. Can interact in a simple way provided the other person is prepared to repeat or rephrase things and help him/her formulate what he/she is trying to say. Can make basic requests in the classroom or playground (e.g., for the loan of a pencil) and respond appropriately to the basic requests of others.	Can respond with confidence to simple questions about family, friends, school work, hobbies, holidays, etc., but is not always able to keep the conversation going. Can communicate in simple and routine classroom tasks requiring a simple and direct exchange of information on familiar topics/activities. Can handle very short social exchanges with peers, though he/she usually can't understand enough to keep the conversation going.	Can cope with most communicative situations likely to arise in the classroom. Can repeat what has been said (e.g., by the teacher giving instructions) and convey the information to another person. Can engage spontaneously with other students in discussing topics of common interest (songs, football, pop stars, etc.), though he/she may still have some difficulty making him/herself understood from time to time.
	Spoken Production	Can say the letters of the alphabet and numbers. Can use simple phrases and sentences to describe in very basic terms where he/she lives and people he/she knows, especially family members.	Can use a series of phrases and sentences to describe in simple terms his/her family, daily routines and activities, and plans for the immediate or more distant future (e.g., out-of-school activities, holiday plans). Can use a series of phrases and sentences to express personal feelings in a simple way.	Can connect phrases in a simple way in order to describe experiences and events, hopes and ambitions, or to summarize information from a text that is being studied in class. Can connect phrases in a simple way in order to summarize the plot of a film he/she has seen or a book he/she has read and describe his/her reactions. Can briefly give explanations and reasons for opinions and plans.
WRITING	**Writing**	Can write his/her name and address and the name of the school. Can copy numbers, words and short phrases that are being learnt in class. Can write labels and/or numbers on a picture, map or diagram. Can copy short sentences from the board. Can fill in forms with personal details (e.g. the language passport section of the European Language Portfolio).	Can enter newly-learnt words in a personal dictionary (e.g. in the European Language Portfolio), possibly including sample sentences. Can write short, simple texts on familiar or very specific new topics (e.g. for inclusion in the European Language Portfolio). Can write a short message (e.g., a postcard) to a friend.	Can write simple connected text on topics that are familiar or of personal interest, e.g. a brief summary of a book or film. Can write simple connected text that meets the different writing requirements of the curriculum, using key words and phrases from textbooks. Can write a short personal letter or a short entry in the European Language Portfolio describing experiences and impressions.

Global scales of linguistic competence

	A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
Vocabulary range/control	Has a basic vocabulary repertoire of isolated words and phrases related to particular concrete situations and school subjects.	Has sufficient vocabulary to conduct routine, everyday transactions involving familiar situations and topics, including school subjects. Has a sufficient vocabulary for the expression of basic communicative needs. Has a sufficient vocabulary for coping with simple survival needs.	Has sufficient vocabulary to express him/herself, sometimes with circumlocutions, on most topics pertinent to his everyday life inside and outside school. Shows good control of elementary vocabulary but major errors still occur when expressing more complex thoughts or handling unfamiliar topics and situations.
Grammatical accuracy	Shows only limited control of a few simple grammatical structures and sentence patterns that he/she has learnt by repeated use.	Uses some simple structures correctly, but still systematically makes basic mistakes – e.g., with tenses and agreement. Nevertheless, it is usually clear what he/she is trying to say.	Communicates with reasonable accuracy on familiar topics (those being studied or occurring frequently during the school day). Generally good control, though with noticeable mother tongue influence. Unfamiliar situations or topics present a challenge, however, particularly when the connection to familiar patterns is not obvious.
Phonological control	Pronunciation of a very limited repertoire of learnt words and phrases can be understood with some effort by native speakers used to dealing with students from different language backgrounds.	Pronunciation is generally clear enough to be understood despite a noticeable foreign accent, but it is sometimes necessary to ask for repetition.	Pronunciation is clearly intelligible even if a foreign accent is sometimes evident and occasional mispronunciations occur.
Orthographic control	Can copy numbers, key words and short phrases from the board, flashcards, posters, textbooks, etc. Can write his/her name, address, other personal details, and the name of the school.	Can copy or write short sentences or phrases related to what is being studied in class. Sentence breaks are generally accurate. Words that he/she uses orally may be written with phonetic accuracy but inaccurate spelling.	Can produce continuous writing that is generally intelligible throughout. Spelling, punctuation and layout are accurate enough to be followed most of the time.

Global scales of general communicative ability

	A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
Spoken fluency	Can manage very short, isolated, mainly pre-packaged utterances, with much pausing to search for expressions, to articulate less familiar words, and to repair communication.	Can make him/herself understood in short contributions, even though pauses, false starts and reformulation are very evident. Can construct phrases on familiar topics with sufficient ease to handle short exchanges, despite very noticeable hesitation and false starts.	Can express him/herself with relative ease. Despite some problems with formulation resulting in false starts and pauses, he/she is able to keep going effectively without help. Can keep going comprehensibly, even though pausing for grammatical and lexical planning and repair is very evident, especially in longer stretches of free production.
Planning	Can recall and rehearse basic words and phrases from his/her very limited repertoire.	Can recall and rehearse an appropriate set of phrases from his/her repertoire.	Can rehearse and try out new combinations and expressions, inviting feedback. Can work out how to communicate the main point(s) he/she wants to get across, exploiting any resources available and limiting the message to what he/she can recall or find the means to express.
Compensating	Can use facial expressions and gestures to compensate for lack of language in familiar and routine situations.	Can use an inadequate word from his repertoire and use gesture to clarify what he/she wants to say. Can identify what he/she means by using a combination of general utterance and gesture (e.g. pointing to a piece of scientific equipment and saying, "I'd like this, please").	Can define the features of something concrete for which he/she can't remember the word. Can convey meaning by qualifying a word meaning something similar (e.g. *a truck for people = bus*). Can use a simple word meaning something similar to the concept he/she wants to convey and then invite "correction".
Monitoring and repair	Can use facial expressions and gestures, and in some cases basic words and phrases, to elicit conversational repair from the person he/she is speaking to.	Can use simple questions to seek clarification or to elicit conversational repair from the person he/she is speaking to.	Can correct mix-ups with tenses or expressions which lead to misunderstandings provided the interlocutor indicates there is a problem. Can ask for confirmation that a form used is correct. Can start again using a different tactic when communication breaks down.
Flexibility	Can exercise very limited flexibility via the recombination of basic words and phrases.	Can adapt well rehearsed memorized simple phrases to particular circumstances through limited lexical substitution. Can expand learned phrases through simple recombinations of their elements.	Can adapt his expression to deal with less routine, even difficult, situations. Can exploit a wide range of simple language flexibly to express much of what he/she wants.
Turn-taking	Can use basic words and phrases to indicate that he/she wishes to speak. Can take a turn when others provide conversational space.	Can use simple techniques to start, maintain, or end a short conversation. Can initiate, maintain and close simple, face-to-face conversation.	Can intervene in a discussion on a familiar topic, using a suitable phrase to get the floor. Can initiate, maintain and close simple face-to-face conversation on topics that are familiar or of personal interest.

Part II

Personal identification and classroom interaction

Personal identification and classroom interaction are the starting point for language support and its two most important guiding threads: students' access to education depends crucially on their developing ability to (i) give an account of themselves and (ii) participate appropriately in classroom interaction. In other words, the two scales in this section provide a point of departure for language support but also a general underpinning for the development of subject-specific communicative skills.

PERSONAL IDENTIFICATION

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand basic personal questions asked by the teacher or another student (e.g., *What is your name?, How old are you?*).	Can follow simple conversations between peers that relate to him/herself.	Can understand what is said by teachers and peers relevant to him/herself without the need for frequent repetition or supporting gestures.
	Reading	Can use the alphabet to find his/her name in a list.	Can read very short and simple texts with a high frequency of familiar words on topics related to him/herself and family.	Can read and understand age-appropriate texts about people whose lives are similar to/different from his/her own.
SPEAKING	**Spoken Interaction**	Can indicate personal needs (e.g., to go to the toilet). Can answer basic questions about him/herself (name, age, family, etc.) when supported by prompts. Can respond non-verbally (e.g., with a nod or shake of the head) or with single-word or very brief answers to basic questions about his/her likes and dislikes.	Can reply with confidence to familiar questions about his/her name, age, number of brothers and sisters, etc. Can initiate simple conversation on a personal topic (e.g., why he/she was late for school). Can use simple phrases and sentences to talk about him/herself and his/her country of origin. In response to questions from the teacher and other students, can say how he/she feels (tired, upset, ill, etc.).	Can ask and respond to questions on a wide range of personal topics (family, home, interests, etc.), including past experience. Can articulate personal worries or concerns to the teacher or some other responsible person.
	Spoken Production	Can make a short, possibly incomplete statement about him/herself.	Can describe in simple terms his/her own appearance, including eye and hair colour, size, height. Can describe in simple terms his/her family, daily routines, plans (e.g., for holidays), likes and dislikes. Can give a simple account of what he/she did in school.	Can talk in an age-appropriate way about the people, history and geography of his/her country of origin. Can explain in an age-appropriate way his/her personal attitudes (e.g., family values, ethnic or religious difference). Can give a detailed account of what has taken place in school and describe his/her successes and achievements.
WRITING	**Writing**	Can copy or write his/her name, address, other personal details, and name of school. Can copy simple sentences about him/herself from the board (e.g., *My name is ... , I live in ...*).	Can write short, simple texts describing his/her family, daily routines, etc. Can write short, simple texts describing personal interests, likes and dislikes (food, TV programmes, etc.).	Can write connected text about important personal experiences or family events (a new baby in the family, travelling to Ireland, etc.) Can write connected text about personal likes and dislikes, hobbies, interests, etc. Can write a brief comparison of his/her life now and in the past (e.g., at primary school, in another country).

CLASSROOM INTERACTION

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand basic school and classroom rules when they are explained very simply and with appropriate visual support (e.g. gestures). Can understand the names of different rooms in the school, items of school equipment, resources, etc., when they occur in instructions. Can follow basic instructions from peers for playing games in the playground.	Can understand instructions given in the classroom, gym, playground, etc. Can understand basic information about half days, school closures, doctor's visits, etc. Can understand at a general level topics dealt with in the mainstream class when they are introduced and explained clearly.	Can understand detailed instructions in the classroom, gym, etc. Can understand presentations given by other students on familiar topics (*My interests*, *My family*, etc.). Can understand communication between the teacher and other students.
	Reading	Can understand labels on doors in different parts of the school (*Hall*, *Secretary*, *Staff Room*, etc.). Can understand signs in the school (*Fire*, *Exit*, *No running*, etc.).	Can read and understand texts about school that use a high frequency of words already familiar or recently learnt.	Can read and understand texts on school subjects provided that difficult key words and/or concepts are introduced beforehand.
SPEAKING	**Spoken Interaction**	Can greet the teacher and other students and say goodbye. Can ask for attention in class and indicate if he/she has not understood. Can use *please* and *thank you* appropriately. Can respond non-verbally (e.g., with a nod or shake of the head) or with single-word or very brief answers to basic questions on classroom issues. Can use basic words and phrases to ask for classroom objects and materials (book, crayons, paper, etc.)	Can use a variety of greetings and leave-takings naturally and appropriately. Can generally sustain a simple conversation with another pupil when working collaboratively in the classroom. Can ask simple questions based on words and phrases from the textbook. With appropriate support from the teacher, can explain a situation that has arisen (e.g. a dispute with another pupil). Can pass on a simple message from one teacher to another.	Can interact spontaneously in the playground, engaging with other pupils in games and activities. Can ask and answer questions about specific classroom topics or in general discussion. Can give parents a detailed account of what happens at school.
	Spoken Production	Can use key words and simple phrases/ sentences to describe a playground game.	Can use a series of phrases and sentences to articulate a simple description or narrative.	Can give a short, connected talk about the school. Can give other students a short, connected account of going to school in another country.
WRITING	**Writing**	Can copy letters and key words from the board, including phrases or simple sentences related to a classroom topic.	Can write short texts describing the classroom or other pupils in the class. Can write short texts based on a topic recently studied in class	Can write a short, connected account of the daily routine in the school. Can write a short, connected account of his/her friends in school and what they like to do together.

Part III

Learning to learn and developing cultural awareness

As language support students move from A1 through A2 to B1, they need to develop study skills and cultural awareness as part of their general educational toolkit.

The first table in this section summarizes learning-to-learn activities/skills appropriate to A1, A2 and B1 under four headings: *Identifying learning activities*, *Setting learning objectives*, *Organizing learning*, and *Monitoring learning progress*. The table serves as a guide to the kinds of teacher assistance that students are likely to need when working with the European Language Portfolio, which is explicitly designed to support the development of learners' goal-setting and self-assessment skills.

It is impossible to exaggerate the importance of developing the cultural awareness of *all* post-primary students, helping them to understand and accept cultural difference as a source of enrichment rather than conflict. The second table in this section identifies four focuses of cultural awareness for language support students – *Patterns of daily life*, *Cultural expectations*, *Values and attitudes*, *Cultural events* – and summarizes communicative tasks appropriate to each of them at A1, A2 and B1.

LEARNING TO LEARN

	A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
Identifying learning activities	With help from the teacher, can tick items on an illustrated list to identify familiar, useful or preferred learning activities.	When prompted by the teacher, can draw up a list of familiar, useful or preferred learning activities.	Can draw up a list of familiar, useful or preferred learning activities without prompting.
Setting learning objectives	In interaction with the teacher and other students, can identify simple, short-term objectives and record them in key words and formulaic phrases.	In interaction with the teacher and other students, can identify short and medium-term objectives and record them in short, simple sentences.	In interaction with the teacher and other students, can identify short and medium-term objectives in relation to curriculum demands and record them in writing.
Organizing learning	With help from the teacher, can use a picture dictionary to compile lists of words and phrases in appropriate categories (e.g. parts of the body, items of clothing, the equipment countered in different classrooms).	With help from the teacher, can create more elaborate aids to learning, e.g. vocabulary organized according to semantic field, colour-coded grammatical rules and examples.	With help from the teacher, can use appropriate works of reference to supplement his/her own learning aids and can categorize language items according to broad differences in language use between curriculum subjects.
Monitoring learning progress	When prompted by the teacher, can use symbols, key words and formulaic phrases to record which objectives have been achieved and which need further work.	When prompted by the teacher, can use short, simple sentences to record which objectives have been achieved and which need further work.	When prompted by the teacher, can write a brief review of learning progress, with reference to specific communicative skills and language items.

CULTURAL AWARENESS

	A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
Patterns of everyday life	Can use key words and formulaic phrases to identify/communicate differences in daily routine/cultural practice as shown in, e.g., textbook illustrations.	Can describe in short, simple sentences his/her own daily routines and cultural practices and indicate how these differ from the routines and practices of other students.	Can give a brief spoken or written account of his/her cultural identity based on family routines and practices.
Cultural expectations	Can use key words and formulaic phrases to identify/communicate ways in which his/her behaviour is constrained by cultural or religious considerations.	Can describe in short, simple sentences what is expected in his/her own culture and say whether it is similar to or different from what is expected of other students.	Can give a brief spoken or written account of his/her cultural and religious values, relating them to personal experience and cultural knowledge.
Values and attitudes	Can express agreement or disagreement with simple statements of attitude or belief, e.g. by saying *yes*/*no* or nodding/shaking head.	Can use short, simple sentences to say whether he/she is for or against an opinion or course of action that has cultural or religious implications.	Can give a brief spoken or written explanation of his/her position in relation to specific social and cultural issues, e.g., smoking, drinking alcohol, state lotteries.
Cultural events	Can use key words and formulaic phrases to respond to and comment on illustrations of cultural or religious events.	Can use short, simple sentences to identify the main features of cultural and religious events.	Can give a brief spoken or written account of cultural and religious events with which he/she is familiar

Part IV
Subject-specific scales

The scales in this section focus on five different areas of the curriculum which between them embrace the varieties of communication the language support student must master in order to become fully integrated in the mainstream:

Physical education and sports

Mathematics

Science subjects

History and Geography

English

PHYSICAL EDUCATION

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can follow very basic instructions for games when the teacher and/or other students also demonstrate what is required.	Can follow instructions for games when they are spoken clearly and slowly.	Can understand the main points of a television broadcast involving a game or sport with which he/she is familiar.
	Reading	Can recognize the names of familiar sports and sports stars.	Can read and understand the basic rules of familiar sports provided key vocabulary has been prepared in advance.	Can read and understand short media reports on games or sports with which he/she is familiar.
SPEAKING	**Spoken Interaction**	Can indicate, if necessary non-verbally, lack of understanding and need for clarification in the PE or games class. Can indicate his/her readiness to play, participate, etc.	Can ask for clarification of rules. Can engage with other students in the simple and direct exchange of information necessary to manage a game.	Can use colloquial expressions appropriate to particular sports and games. Can participate in discussions about team performance and defend his/her own performance in a match.
	Spoken Production	Can name familiar sports and games and the equipment associated with them.	Can use a series of phrases and sentences to give a simple explanation of rules.	Can give a short connected account of the rules of a game or sport he/she is familiar with. Can give a short connected account of a sporting event in which he/she took part.
WRITING	**Writing**	Can write the names of familiar sports and games and items of equipment associated with them; also the names of familiar sports stars.	Can use a series of phrases and sentences to write a simple description of his/her participation in a game or sport.	Can write a short connected explanation of the rules of a game or sport he/she is familiar with. Can write a short connected text describing a sporting event in which he/she took part.

MATHEMATICS

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can recognize and understand numbers and the words for shapes and basic mathematical categories and processes when they are spoken slowly and clearly.	Can understand simple mathematical processes when they are demonstrated by the teacher on the board, provided that new words and concepts have been prepared in advance.	Can understand the range of mathematical processes relevant to his/her level in the school when they are demonstrated by the teacher on the board, provided that new words and concepts have been prepared in advance.
	Reading	Can use knowledge of numbers and mathematical symbols to follow very basic problems in the textbook.	Can understand simple problems when they are set out in mathematical language but needs assistance when they are written in everyday language.	Can read and understand most textbook tasks and problems, though there are still gaps in his/her vocabulary.
SPEAKING	**Spoken Interaction**	Can use his/her basic knowledge of numbers and mathematical symbols/processes to participate in classroom interaction.	Can ask for assistance in understanding textbook tasks. Can ask other students to confirm solutions to problems. Can contribute to the collaborative solution of familiar and routine mathematical problems.	Can use everyday terms to engage in discussion of solutions to mathematical problems. Can ask and answer questions about mathematical procedures. Can collaborate with other students in the exploration and solution of unfamiliar mathematical problems.
	Spoken Production	Can say numbers and the words for shapes and basic mathematical categories and processes.	Can use a series of phrases and sentences to say how a familiar mathematical problem is solved.	Can give a simple, connected explanation of the mathematical processes relevant to his/her level in the school.
WRITING	**Writing**	Can work through very basic examples from the textbook, using his/her knowledge of numbers and mathematical symbols/processes to compensate for lack of language.	Can work through examples from the textbook, using phrases and simple sentences to describe/explain processes.	Can work through examples from the textbook, producing simple connected text to describe/explain processes.

SCIENCE SUBJECTS

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand basic words and phrases denoting scientific objects, processes and equipment when they are spoken clearly.	Can follow very simple scientific explanations provided that they are given in slow careful speech and key vocabulary and concepts have been prepared in advance.	Can understand the teacher's explanations of experiments, scientific processes, etc. when supported by, e.g., diagrams on the board or illustrations in the textbook. Can understand the main points of audio–visual presentations on science topics provided that key vocabulary and concepts have been prepared in advance.
	Reading	Can understand labels on diagrams and associate them with appropriate pieces of equipment.	Can use diagrams to access the text that accompanies them. Can follow simple written instructions for familiar, previously demonstrated experiments, observations, etc.	Can understand textbook explanations and examples provided that new words and concepts have been prepared in advance. Can follow written directions for simple observational or experimental procedures that he/she has not encountered before.
SPEAKING	**Spoken Interaction**	Can indicate lack of comprehension and ask for assistance with scientific vocabulary. Can use basic scientific words and phrases and visual support (e.g. pointing, gestures) to participate in group work.	Can use words and phrases from the textbook to answer simple questions and participate in group work.	Can engage spontaneously and fully in group work (observations, experiments, etc.). Can contribute to discussions of observations and experiments carried out in class.
	Spoken Production	Can say basic words and phrases denoting scientific objects, processes and equipment	Can use a series of phrases and sentences to give a simple description/explanation of basic scientific processes.	Can give a short connected description/ explanation of scientific processes with which he/she is familiar.
WRITING	**Writing**	Can use basic scientific words to label charts and diagrams. Can write basic scientific words into a gapped text. Can draw diagrams that illustrate basic scientific processes and simple experiments.	Can use phrases and sentences to write simple descriptions of experiments when guided by a writing frame. Can use phrases and sentences to write simple text to accompany scientific diagrams. Can use phrases and sentences to make simple notes about observations, experiments, etc. carried out in class.	Can use notes, headings and reference works to write short connected descriptions of scientific experiments, processes or concepts. Can contribute short connected text to group projects. Can write short connected summaries of observations, experiments, etc. carried out in class.

HISTORY AND GEOGRAPHY

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand basic words that arise in mainstream history and geography classes when they are spoken slowly and clearly.	Can follow simple explanations in the mainstream history or geography class provided that they are given in slow careful speech and key vocabulary and concepts have been prepared in advance.	Can understand the teacher's introductions to new topics in the mainstream history or geography class provided that key vocabulary and concepts have been prepared in advance. Can follow the main points of media presentations on familiar historical or geographic topics.
	Reading	Can understand key words, e.g. names of people and places, in history and geography textbooks.	Can extract specific information from history and geography textbooks. Can use illustrations, graphs, tables, etc. to access the main ideas of units in history and geography textbooks. Can follow simple written instructions for familiar learning procedures in history and geography textbooks	Can use reference works to enhance understanding of the history or geography textbook. Can read simple texts about people and places in other times and other places for interest as well as for study purposes.
SPEAKING	**Spoken Interaction**	Can indicate lack of comprehension and ask for assistance with vocabulary specific to history/geography. Can use basic words and phrases and visual support (e.g. pointing to appropriate pictures or graphics in the textbook) to participate in group work.	Can use words and phrases from the textbook to answer simple questions and participate in group work.	Can engage spontaneously and fully in group work (e.g., history or geography projects), though he/she will still need help with unfamiliar words and concepts. Can contribute to class discussions of historical and geographical topics.
	Spoken Production	Can say basic words that arise in mainstream history and geography classes.	Can use phrases and sentences to give a very simple account of people, events, places, etc. dealt with in the mainstream history or geography class.	Can give short connected accounts of people, events, places, etc. dealt with in the mainstream history or geography class.
WRITING	**Writing**	Can copy facts from simple history and geography texts. Can draw on the textbook to fill in names and subject–specific terms in gapped history and geography texts. Can draw and label simple time-lines and maps.	Can use phrases and sentences to write simple accounts of people, events, places, etc. dealt with in the mainstream history or geography class. Can use phrases and sentences to write simple text to accompany timelines, maps, etc. Can use phrases and sentences to make simple notes about topics dealt with in the history or geography class.	Can write a short connected account of an event in history as a first person narrative. Can write a short connected description of a geographical region or product. Can contribute short connected text to group projects. Can write short connected summaries of topics studies in the history or geography class.

ENGLISH

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	**Listening**	Can understand key words and basic phrases when they are pronounced clearly.	Can follow simple explanations provided that they are given in slow careful speech and key vocabulary and concepts have been prepared in advance. Can follow the main points of a short text read aloud provided it makes frequent use of familiar vocabulary.	Can understand the teacher's introductions to new topics in the mainstream English class provided that key vocabulary and concepts have been prepared in advance. Can follow simple dramatic performances provided that they deal with a familiar situation/topic and make frequent use of familiar words and phrases.
	Reading	Can understand key words and basic phrases in simple written texts.	Can understand very simple narrative texts with the help of word lists and/or illustrations. Can use titles, headings, etc. to establish the general theme of simple texts. Can distinguish between text types studied in the mainstream English class, e.g. stories, news reports, advertisements, instructions.	Can access literary and other texts studied in the English class provided he/she has help with unfamiliar and/or infrequent vocabulary. Can distinguish between different text purposes (to inform, entertain, persuade, move, etc.).
SPEAKING	**Spoken Interaction**	Can indicate lack of comprehension and ask for assistance with vocabulary. Can respond to simple questions non-verbally (e.g., with a nod or shake of the head) and/or with key words and simple phrases.	Can ask and answer simple questions on familiar topics. Can ask for clarification of unknown words and expressions. Can use familiar words and phrases to participate in group work.	Can engage spontaneously and fully in group work (e.g., devising a short play to be performed in front of the class), though he/she will still need help with unfamiliar words and concepts. Can ask about different linguistic and stylistic features in the texts studied in the mainstream English class.
	Spoken Production	Can say basic words that arise in the mainstream English class.	Can use phrases and sentences to create a very simple précis of or response to texts studied in the mainstream English class.	Can give a short connected opinion on a story, poem or other text read in class.
WRITING	**Writing**	Can copy words and phrases from the board or textbook. Can use basic prompts to fill in gapped texts.	Can use phrases and simple sentences to write a short summary of the main points of a text. Can use key words, phrases and simple sentences to write a very brief response to a simple poem or prose text. Can write a simple letter. Can use text as a stimulus to write a simple dialogue.	Can write a short connected summary of a poem, short story, film, etc. Can write connected notes on texts using headings to provide structure.

Appendix

The Common Reference Levels of the *Common European Framework of Reference for Languages* as summarized in the self-assessment grid

(*Common European Framework of Reference for Languages*, Cambridge University Press, 2003, pp.26–27)

		A1	A2	B1	B2	C1	C2
UNDERSTANDING	**Listening**	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g., very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
SPEAKING	**Spoken Interaction**	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g., family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken Production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
WRITING	**Writing**	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

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Appendix A2: European Language Portfolio for post-primary ESL students (IILT, 2004).

European Language Portfolio

POST-PRIMARY

iilt Integrate Ireland Language & Training

Learning the language of the host community

NDP

The Council of Europe and the European Language Portfolio

Ireland is a member of the Council of Europe, which makes it part of a family of 45 countries stretching all the way from Iceland to Azerbaijan. The millions of young people who live in those countries share many experiences and interests, but also have different languages, cultures and histories.

The Council of Europe aims to help you to understand and respect other people and the things that make them different. Your European Language Portfolio is designed to help you learn new languages and understand new cultures.

The ELP allows you

- to record what you can do in languages, including your mother tongue
- to understand what you need to learn so that you can join in all the classes and activities in your school
- to record what you have learnt well and what you need to study more
- to organize your work so that you can use it to remind yourself about what you have already learnt
- to help you learn the English that you need for other school subjects
- if you change your school, to show your new teachers what you can already do in English

The ELP allows your teachers

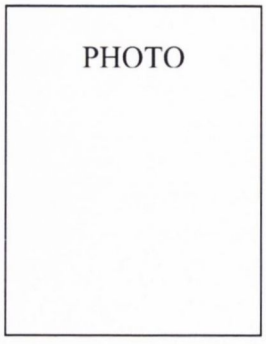
- to see what languages you already know
- to help you plan what you need to learn for different subjects

The ELP allows your parents

- to see how you are progressing in learning languages

This model conforms to common principles and guidelines.
Steering Committee for Education - European Validation Committee

Language Passport



Name

.....: _____

Address

.....: _____
_____
_____

Country of origin

.....: _____

First language:

.....: _____

Date of birth

.....: _____

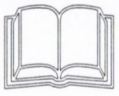
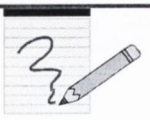
School:

.....: _____
_____
_____

My languages

My first language is _____

I use this language to (describe):

Other languages I can use:

Language				
Describe what you can do in these languages				

On the next page I can indicate my precise levels of proficiency in different languages in relation to the self-assessment grid on page 6 ⇒

My proficiency in languages other than English

		Self-assessment of proficiency					
		A1	A2	B1	B2	C1	C2
Language:	Listening						
	Reading						
Date:	Spoken interaction						
	Spoken production						
	Writing						
Language:	Listening						
	Reading						
Date:	Spoken interaction						
	Spoken production						
	Writing						
Language:	Listening						
	Reading						
Date:	Spoken interaction						
	Spoken production						
	Writing						
Language:	Listening						
	Reading						
Date:	Spoken interaction						
	Spoken production						
	Writing						

		A1	A2	B1	B2	C1	C2
UNDERSTANDING	Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided. I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
SPEAKING	Spoken Interaction	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in areas where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation of discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken Production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
WRITING	Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

Self-assessment grid of the Common European Framework of Reference © Council of Europe

Global benchmarks of communicative proficiency – Listening and Reading (for details see Language Proficiency Benchmarks)

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
UNDERSTANDING	***Listening***	I can understand words and phrases about myself, my family and school and simple questions and instructions.	I can understand most instructions given inside and outside school, and can follow topics covered in the different subject classes.	I can understand detailed instructions given in school, the main points of topics presented in different classes, and short films about things I am familiar with. I can follow most conversations between other students without difficulty.
	Reading	I can recognize the letters of the alphabet and can understand signs and simple notices in the school and on the way to school. I can understand words on labels or posters in the classroom and some of the words and phrases in a new piece of text.	I can understand short texts on familiar subjects and can use the alphabet to find items in lists (e.g., a name in a telephone book).	I can understand descriptions of events, feelings and wishes and can use comprehension questions to find specific answers in a piece of text. I can also use key words, diagrams and illustrations to help me understand texts I am reading. I can follow written instructions for carrying out school activities.

Example:

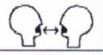
	A1			A2			B1		
	*	**	***	*	**	***	*	**	***
Listening	15/9/2004	17/10/2004	14/11/2004	18/12/2004	15/2/2005	20/4/2005	17/5/2005	20/9/2005	19/10/2005

	A1			A2			B1		
	*	**	***	*	**	***	*	**	***
Listening									
Reading									

* with a **lot** of help ** with a **little** help *** with **no** help

Global benchmarks of communicative proficiency – Speaking and Writing (for details see Language Proficiency Benchmarks)

		A1 BREAKTHROUGH	A2 WAYSTAGE	B1 THRESHOLD
SPEAKING	**Spoken Interaction**	I can say *hello* and *goodbye*, *please* and *thank you*, can ask for directions in the school, and can ask and answer simple questions.	I can answer questions about my family, friends, school work, hobbies and holidays. I can keep up a conversation with my classmates when we are working together, and can express my feelings.	I can talk fluently about school, my family, my daily routine and my likes and dislikes. I can take part in classroom discussions and can hold conversations with other students about things I am interested in. I can repeat what has been said and pass the information on to another person.
	Spoken Production	I can give a simple description of where I live and people I know, especially members of my family.	I can describe my family, my daily routines and activities, and my plans for the immediate or more distant future.	I can retell what has been studied in class or the plot of a film I have seen or a book I have read. I can describe a special family event (religious festival, birthday etc.) and can explain my opinions and plans.
WRITING	**Writing**	I can write my name and address and the name of the school. I can write labels on charts and diagrams and copy short sentences from the board.	I can write new words in my European Language Portfolio and can write short texts on familiar topics. I can write a short message (e.g., a postcard or e-mail) to a friend.	I can write a short letter, a summary of a book, poem or film, an account of my opinions or feelings about an event or situation, and a short dialogue.

	A1			A2			B1		
	*	**	***	*	**	***	*	**	***
Spoken Interaction 									
Spoken Production									
Writing									

Learning languages

My list of qualifications and certificates

Where possible, the levels of qualifications should be indicated in relation to the levels A1 – C2 of the global scale of the Council of Europe (Common European Framework). See also self-assessment grid p. 6

Language	Name of qualification or certificate with awarding body	Date	Level

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My Language Biography

I can use this part of my European Language Portfolio to:

- Think about experiences I have had in different countries and with different languages
- See what English language I need to learn for my school subjects
- Discuss with my teacher what I should learn next
- Record what I learn
- Find out how I learn best

My language and intercultural experiences

The new and interesting things I noticed when travelling or staying in other countries.

Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				
Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				
Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				

My language and intercultural experiences

The new and interesting things I noticed when travelling or staying in other countries.

Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				
Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				
Country: Language:	Date From: To:	Staying with friends or family (√)	Travel (√)	Study (√)
Cultural differences I noticed: Cultural similarities with my own country:				

My cultural awareness now

In my classes

Cultural attitudes and behaviour I have noticed and can now understand	Date	Other cultural attitudes and behaviour that I do NOT fully understand	Date

With my friends

Cultural attitudes and behaviour I have noticed and can now understand	Date	Other cultural attitudes and behaviour that I do NOT fully understand	Date

In my daily life outside school

Cultural attitudes and behaviour I have noticed and can now understand	Date	Other cultural attitudes and behaviour that I do NOT fully understand	Date

The English language I use outside school

A hobby or interest that I enjoy:	**Date:**
Where and when I do this	
Who I do it with	
Some of the important words that I need for this:	
What I like about it:	

A responsibility outside school:	**Date:**
Where and when I do this	
Who I do it with	
Some of the important words that I need for this:	
What I have learnt by doing this:	

Things I do in daily life outside school:	**Date:**
Who I do them with	
What I have learnt by doing these things:	

The English language I use outside school

A hobby or interest that I enjoy:	**Date:**
Where and when I do this	
Who I do it with	
Some of the important words that I need for this:	
What I like about it:	

A responsibility outside school:	**Date:**
Where and when I do this	
Who I do it with	
Some of the important words that I need for this:	
What I have learnt by doing this:	

Things I do in daily life outside school:	**Date:**
Who I do them with	
What I have learnt by doing these things:	

How to monitor your language learning in five easy steps

1 Find out **what** you have to learn. Look at the checklists with your language teacher and make notes about any difficulties you have in your subject classes

2 Write down your **targets** ◎ on page 14

3 Think about how you can **learn these things best** and note that on page 13

4 Then **use** your own 'best ways of learning' to achieve your targets

5 **Record** your progress on the checklists with your language teacher's help:

* I can do this with a **lot** of help

** I can do this with a **little** help

*** I can do this with **no** help

Remember! When you don't achieve a target fully, don't worry. What you don't know can become part of your next target.

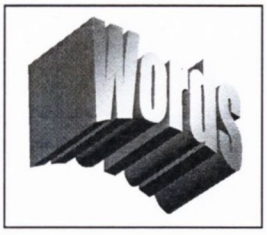
EXAMPLE

SCIENCE SUBJECTS					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand some scientific words and phrases			*11/10/04*
		I can understand labels on scientific diagrams and equipment		*15/10/04*	
		I can use some scientific words in group work	*1/10/04*		
		I can say some important scientific words		*11/10/04*	
		I can draw and label a simple scientific diagram		*15/10/04*	*30/10/04*

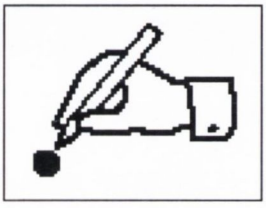
At 30/10/04 this student's targets are:

Topic	What I know now	What I need to learn	My target date ◎	Target achieved *(date)*
Science	*Most names of equipment in the lab*	*The names I don't know* *How to use these words when we are working*	*10/11/04*	

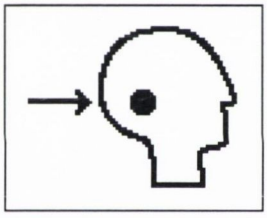
How I learn best now _____ (date)



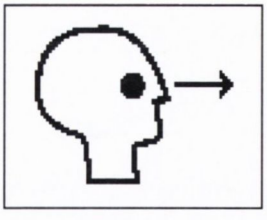
When I want to remember new words



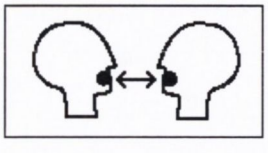
When I have to write something



When I can't understand what somebody is saying

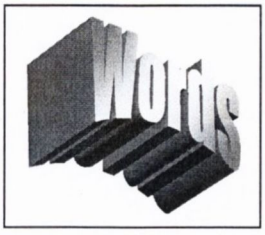


When I'm reading a text book

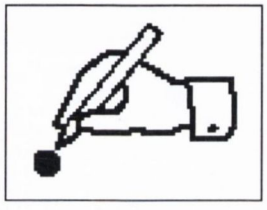


When I'm speaking and have difficulty finding words

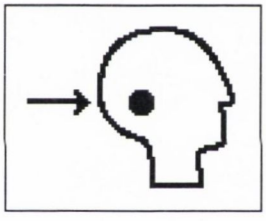
How I learn best now _____ (date)



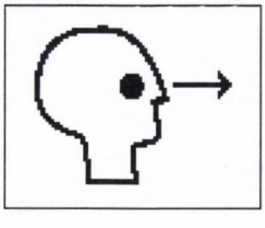
When I want to remember new words



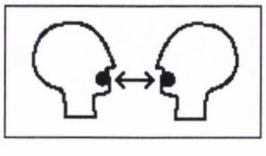
When I have to write something



When I can't understand what somebody is saying



When I'm reading a text book



When I'm speaking and have difficulty finding words

What I need to learn in English – my learning targets ◎

Topic	What I know now	What I need to learn	My target date ◎	Target achieved *(date)*
Example: Science	*Names of equipment in the lab*	*How to write down an experiment*	*30/4/04*	*21/04/04*

What I need to learn in English – my learning targets ◎

Topic	What I know now	What I need to learn	My target date ◎	Target achieved *(date)*

Monitoring my learning

In order to monitor learning and to use the checklists in this European Language Portfolio it is important to understand these words:

Example:

to understand	*compreender*

A1

to understand		to name	
to follow		to recognise	
to show		to find	
to copy		to label	
instructions		information	
key words		labels	
diagrams		equipment	
map		time line	

A2

to ask about		to solve	
to read about		to explain	
to pass on		to note	
to describe		to list	
explanation		experiment	
topic		word list	
event		dialogue	
give a short summary		main ideas	

B1

to discuss		to review	
to organise		to edit	
to give views		to record	
experience		beliefs	
interest		purpose	
discussion		conversation	
different styles		useful expressions	

General terms

short		important	
simple		familiar	
clear		most	

EXAMPLE:

Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand short questions about myself	7/9/04	28/9/04	4/10/04
		I can use the alphabet to find names on a list and words in a dictionary	7/9/04	15/9/04	21/9/04

PERSONAL IDENTIFICATION

Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand short questions about myself			
		I can use the alphabet to find names on a list and words in a dictionary			
		I can answer short questions about myself			
		I can say a short sentence about myself			
		I can write some important information about myself			
A2		I can understand when my friends talk about everyday things			
		I can read short texts about everyday life			
		I can ask and answer questions about everyday life and say how I feel			
		I can talk about things I did today and things I want to do			
		I can write short descriptions about everyday life			
		I can keep a record of my language learning			
B1		I can understand most things my teachers and friends say to me			
		I can read about other people's lives and cultures			
		I can talk about my experiences, interests or problems			
		I can discuss my language learning			
		I can give a short talk about the country I come from and explain about my culture and beliefs			
		I can write a short comparison of my life now and in the past			

* with a **lot** of help ** with a **little** help *** with **no** help

CLASSROOM INTERACTION

Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand important school rules			
		I can read the names of rooms in the school			
		I can say hello and goodbye and ask for help			
		I can give a simple description of a game I play with my friends			
		I can copy words and sentences for my school subjects			
A2		I can understand instructions and information from the teacher			
		I can read simple texts about school			
		I can talk with a friend in group work and can pass on a simple message			
		I can describe a school routine or event			
		I can write a short description of my classroom and note useful words and sentence patterns			
B1		I can understand talks given by my friends			
		I can read texts from my school textbooks			
		I can talk with my school friends in a natural way and explain what I do and learn at school			
		I can give a talk about school life in Ireland and in another country			
		I can organise my language learning for each school subject and write clearly about my school activities and friends			

PHYSICAL EDUCATION					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can follow simple instructions			
		I can read the names of sports and sports stars			
		I can explain that I want to play a game			
		I can name some sports and games and the equipment we need for them			
		I can write the names of sports, sports equipment and sports stars and put these into groups			
A2		I can follow most instructions for games			
		I can read the main rules of the sports I like			
		I can ask about the rules of a game			
		I can talk about the main rules of a sport I like			
		I can write about my favourite sport and note useful words and sentence patterns			
B1		I can understand a television broadcast about a sport I like			
		I can understand short newspaper reports about sport			
		I can talk with my school friends in a natural way about the sports we play together			
		I can give a talk about my experience of a sporting event			
		I can write a clear explanation of the rules of a sport			

MATHEMATICS					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand numbers and important mathematical words			
		I can recognise numbers and symbols in simple problems in my textbook			
		I can use numbers and some key words			
		I can say important mathematical words and numbers			
		I can use numbers and symbols to do simple examples in my textbook			
A2		I can understand explanations of simple mathematical problems			
		I can follow simple problems in my textbook			
		I can work with my friends to solve simple problems and ask for help if I don't understand			
		I can use the mathematical words I know to explain a simple problem			
		I can work through some short problems in my textbook and write down important new words			
B1		I can understand most explanations in maths class			
		I can read and understand most problems in my textbook			
		I can discuss mathematical problems and processes.			
		I can give a clear explanation of a mathematical problem			
		I can write a clear explanation of a mathematical process and note useful words and expressions			

SCIENCE SUBJECTS					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand some scientific words and phrases			
		I can understand labels on scientific diagrams and equipment			
		I can use some scientific words in group work			
		I can say some important scientific words			
		I can draw and label a simple scientific diagram			
A2		I can follow simple explanations using words and information that I know			
		I can read simple texts and instructions with the help of diagrams			
		I can answer simple questions using my textbook and talk about the language I need for science			
		I can describe a simple scientific experiment using diagrams and my textbook to help			
		I can write a short description of a simple experiment and make short notes in science class			
B1		I can understand most experiments and presentations in science class			
		I can follow written instructions for new experiments			
		I can give my own ideas in group work and class discussions			
		I can give a clear explanation of an interesting scientific process			
		I can write a clear description for a science project and record new scientific words			

HISTORY AND GEOGRAPHY					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand some important words in history and geography classes			
		I can recognise key words and information in a text			
		I can use some key words in group work			
		I can name key words related to history and geography			
		I can add missing information to maps, time-lines and short texts			
A2		I can follow simple explanations if I know the main words and ideas			
		I can find some important information in my textbook using pictures and diagrams to help			
		I can express my ideas in group work using words from my textbook and wordlists			
		I can talk about important people, places and events using the words and sentence patterns I know			
		I can write short notes and information about important topics in history and geography			
B1		I can understand most explanations and presentations			
		I can read about interesting people and places with the help of a dictionary			
		I can take part in group work and class discussions and give my own views			
		I can give a short talk about a familiar topic in history and geography			
		I can write clearly about a familiar topic, giving my own views and using different styles of writing			

ENGLISH					
Level	*Skill*		* *Date*	** *Date*	*** *Date*
A1		I can understand some key words and phrases in English class			
		I can recognise key words and information in a short text			
		I can give short answers to simple questions in English class			
		I can say some important words I need in English class			
		I can write down new words and put missing words into texts			
A2		I can understand a short text if I know the main words and ideas			
		I can recognise different types of text and can read a short story with the help of word lists or pictures			
		I can take part in group work and ask questions about new words			
		I can give a short summary of a poem or story and say how it made me feel			
		I can write a simple letter or dialogue			
B1		I can follow a short play or presentation			
		I can understand texts we study in English class and recognise their purpose			
		I can work with my friends to make a short play and can ask about different uses and styles of language			
		I can give and explain my views about a story or poem			
		I can write a clear summary of a poem, story or film and write organised notes on a familiar text			

Dossier

This dossier contains:

- Examples of my work,
- Word lists for different subjects
- Notes to remind me about language use
-
-
-
-

Organising the Dossier

It is important to organise the Dossier so that different parts can be accessed for support in class, for revision and so on. It is a good idea to put dividers between the sections.

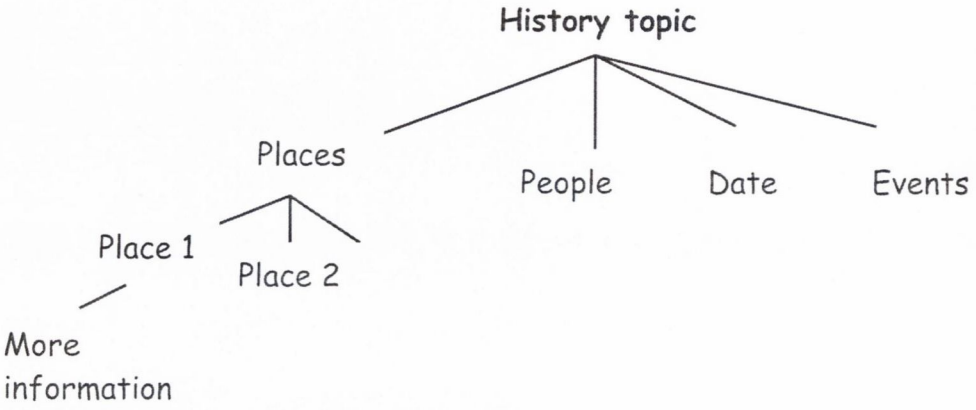
The Dossier may be organised by topic, school subject (English, History etc.) or category (vocabulary, examples of text etc.).

Dossier contents

Section	Description
Example: 4	*Vocabulary for Unit 7 - Geography*

Ways of recording vocabulary and information

Example 1: A vocabulary tree



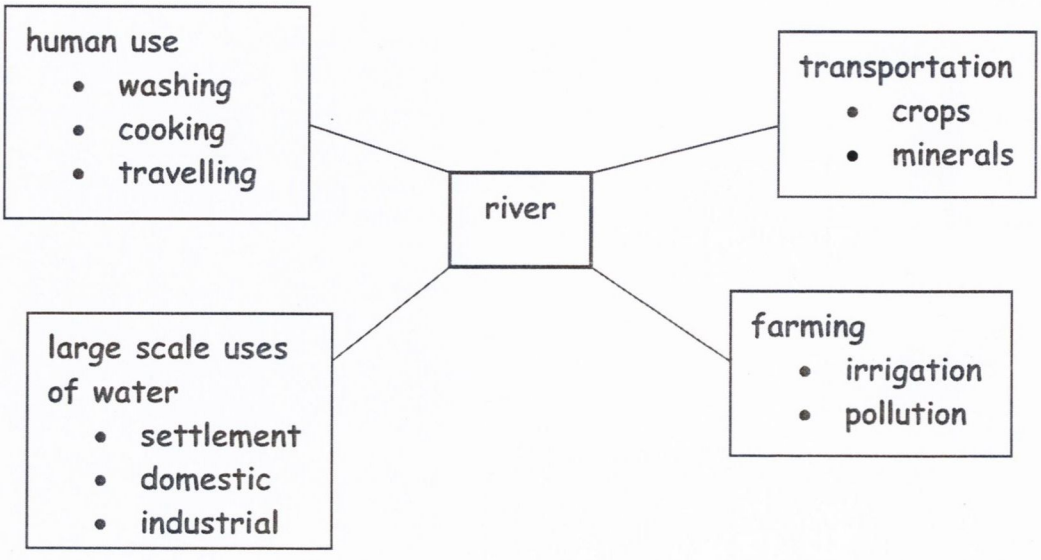
Example 2: An information grid

Topic	Main points	Important vocabulary	Page(s) in text book
Rivers	*3 stages etc.*	*valley ox-bow meander etc.*	15-20

Example 3: Definitions and examples

meander	*to meander: A river meanders when it is old* *a meander: a bend in a road or river*

Example 4: Categorising information and vocabulary



This version of the European Language Portfolio (ELP) was developed by **Integrate Ireland Language and Training** for use in Irish post-primary schools with non-English speaking students who are learning the language of the host community.

The self-assessment grid of the Common European Framework of Reference (© Council of Europe) on page 6 summarizes six levels of second/foreign language proficiency from beginner to very advanced. Language support provided to non-English speaking students in post-primary education in Ireland is concerned with the first three levels (A1, A2 and B1).

This ELP was designed to reflect the English language demands of the Irish post-primary curriculum. The graded curriculum for language support is set out in the **English Language Proficiency Benchmarks for non-English speaking pupils at post-primary level (2003)**, available on the Integrate Ireland Language and Training web site (www.iilt.ie).

iilt Integrate Ireland Language & Training

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APPENDIX B: Word frequency analysis of the twelve subject-specific corpora (F = frequency, R = range)

Appendix B1: The 100 most frequent function and content words in the six textbooks-based corpora (minimum frequency 40 per million words, minimum range 75%, normalized frequency counts per mille words).

ENGLISH				GEOGRAPHY				HISTORY				CSPE				MATHEMATICS				SCIENCE			
N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %
1	THE	64.88	100	1	THE	62.22	100	1	THE	79.29	100	1	THE	65.31	100	1	THE	70.27	100	1	THE	70.36	100
2	A	27.50	100	2	OF	33.93	100	2	OF	33.50	100	2	OF	29.11	100	2	OF	37.15	100	2	OF	33.69	100
3	AND	27.50	100	3	AND	26.61	100	3	AND	30.62	100	3	TO	28.72	100	3	A	31.49	100	3	A	31.38	100
4	TO	24.47	100	4	IN	24.13	100	4	IN	27.01	100	4	A	24.80	100	4	AND	18.02	100	4	AND	22.59	100
5	OF	23.88	100	5	A	20.91	100	5	TO	24.34	100	5	AND	23.09	100	5	IS	16.19	100	5	TO	21.31	100
6	IN	19.12	100	6	TO	18.30	100	6	A	17.78	100	6	IN	21.40	100	6	IN	15.49	100	6	IS	20.04	100
7	YOU	13.12	100	7	IS	14.38	100	7	WAS	13.02	100	7	IS	10.83	100	7	TO	12.70	100	7	IN	19.49	100
8	IS	13.05	100	8	ARE	10.93	100	8	WERE	11.30	100	8	FOR	10.62	100	8	FIND	7.03	100	8	WATER	9.67	100
9	IT	10.06	100	9	ON	7.63	100	9	THAT	6.31	100	9	THAT	8.63	100	9	FOR	5.95	100	9	ARE	8.72	100
10	HE	9.19	100	10	AS	6.83	100	10	FOR	6.20	100	10	ARE	8.62	100	10	CM (CENTIMETRES)	5.81	100	10	IT	8.32	100
11	THAT	8.57	100	11	FOR	6.17	100	11	BY	6.04	100	11	YOU	8.39	100	11	ARE	5.59	100	11	FOR	5.81	100
12	WAS	8.54	100	12	THIS	6.02	100	12	THEY	5.87	100	12	ON	7.02	100	12	NUMBER	5.51	100	12	ON	5.67	100
13	FOR	7.71	100	13	FROM	5.49	100	13	ON	5.83	100	13	PEOPLE	6.54	100	13	CALCULATE	5.39	100	13	FROM	5.45	100
14	ON	7.42	100	14	THAT	5.36	100	14	AS	5.74	100	14	I	6.17	100	14	ON	4.69	100	14	BY	5.05	100
15	THIS	6.51	100	15	IT	5.31	100	15	HE	5.04	100	15	IT	5.56	100	15	IF	4.55	100	15	WITH	4.96	100
16	HIS	6.01	100	16	OR	4.61	100	16	FROM	4.82	100	16	WHAT	5.36	100	16	AT	4.43	100	16	THAT	4.95	100
17	WITH	5.95	100	17	BY	4.53	100	17	THEIR	4.54	100	17	HAVE	5.31	100	17	AS	4.14	100	17	THIS	4.94	100
18	WHAT	5.85	100	18	AT	4.39	100	18	PEOPLE	4.36	100	18	BE	5.25	100	18	EACH	4.02	100	18	AS	4.94	100
19	ARE	5.75	100	19	HAVE	3.95	100	19	HAD	4.21	100	19	OR	5.20	100	19	BY	3.84	100	19	BE	4.71	100
20	AS	5.73	100	20	THEY	3.82	100	20	WITH	4.11	100	20	THIS	4.92	100	20	LINE	3.75	100	20	OR	4.68	100
21	SHE	5.44	100	21	PEOPLE	3.79	100	21	AT	3.80	100	21	WITH	4.82	100	21	AREA	3.70	100	21	AN	4.64	100
22	AT	5.27	100	22	WHICH	3.66	100	22	OR	3.59	100	22	AS	4.58	100	22	TWO	3.68	100	22	CAN	4.32	100
23	OR	5.17	100	23	WITH	3.63	100	23	THIS	3.59	100	23	YOUR	4.38	100	23	THAT	3.63	100	23	WHICH	4.32	100
24	YOUR	5.12	100	24	THESE	3.62	100	24	WAR	3.34	100	24	BY	4.36	100	24	VALUE	3.15	100	24	WHEN	3.97	100
25	BE	4.87	100	25	HAS	3.33	100	25	HIS	3.27	100	25	AN	4.29	100	25	OR	3.11	100	25	ENERGY	3.94	100
26	HER	4.79	100	26	MAP	3.29	100	26	IT	3.26	100	26	WAS	4.19	100	26	AN	3.05	100	26	YOU	3.73	100
27	THEY	4.63	100	27	BE	3.15	100	27	AN	2.96	100	27	THEY	3.96	100	27	EQUATION	2.93	100	27	WHAT	3.17	100
28	ABOUT	4.55	100	28	POPULATION	3.11	100	28	IRISH	2.96	100	28	FROM	3.87	100	28	POINT	2.92	100	28	INTO	2.94	100
29	FROM	4.39	100	29	AREAS	3.11	100	29	WHAT	2.85	100	29	WE	3.87	100	29	EXAMPLE	2.74	100	29	USED	2.91	100
30	HAVE	4.18	100	30	WATER	3.04	100	30	IS	2.80	100	30	HAS	3.63	100	30	BE	2.74	100	30	AT	2.87	100

31	BY	3.48	100	31	MANY	2.96	100	31	WHO	2.78	100	31	ABOUT	3.61	100	31	WE	2.59	100	31	LIGHT	2.75	100
32	AN	3.39	100	32	AN	2.95	100	32	GOVERNMENT	2.74	100	32	AT	3.53	100	32	GIVEN	2.46	100	32	THEY	2.73	100
33	BUT	3.33	100	33	SUCH	2.95	100	33	MANY	2.70	100	33	THEIR	3.51	100	33	FOLLOWING	2.45	100	33	AIR	2.66	100
34	HAD	3.31	100	34	AREA	2.81	100	34	BE	2.53	100	34	DO	3.35	100	34	WITH	2.37	100	34	ONE	2.61	100
35	NOT	3.30	100	35	SOME	2.75	100	35	WHICH	2.52	100	35	OUT	3.06	100	35	SOLUTION	2.36	100	35	FOOD	2.57	100
36	ALL	3.23	100	36	WHAT	2.43	100	36	DID	2.40	100	36	ACTION	2.99	100	36	THIS	2.34	100	36	TEST	2.52	100
37	THERE	3.13	100	37	WAS	2.36	100	37	CENTURY	2.16	100	37	CAN	2.92	100	37	FROM	2.32	100	37	HAS	2.51	100
38	MY	3.13	100	38	ONE	2.28	100	38	THESE	2.15	100	38	COMMUNITY	2.92	100	38	IT	2.26	100	38	HEAT	2.51	100
39	WHEN	3.12	100	39	WERE	2.18	100	39	NOT	2.14	100	39	RIGHTS	2.90	100	39	ANGLE	2.23	100	39	UP	2.50	100
40	DO	3.12	100	40	TWO	2.14	100	40	BUT	2.03	100	40	LOCAL	2.78	100	40	SIDES	2.08	100	40	IF	2.42	100
41	ONE	2.96	100	41	COUNTRIES	2.13	75	41	BRITISH	2.01	100	41	WHO	2.73	100	41	LENGTH	2.06	100	41	WILL	2.39	100
42	OUT	2.93	100	42	ITS	2.12	100	42	UP	1.93	100	42	ALL	2.73	100	42	GRAPH	2.05	100	42	EACH	2.39	100
43	UP	2.89	100	43	CITY	2.10	100	43	NEW	1.85	100	43	NOT	2.73	100	43	BOTH	2.01	100	43	EXPERIMENT	2.39	100
44	STORY	2.89	100	44	THEIR	2.09	100	44	ALSO	1.83	100	44	UP	2.64	100	44	WAS	2.00	100	44	HAVE	2.37	100
45	WE	2.84	100	45	RIVER	2.08	100	45	MOST	1.81	100	45	HOW	2.57	100	45	DIAGRAM	1.99	100	45	CALLED	2.26	100
46	LIKE	2.78	100	46	EACH	2.01	100	46	ONE	1.80	100	46	WILL	2.46	100	46	HOW	1.96	100	46	TWO	2.26	100
47	WERE	2.77	100	47	LAND	1.98	100	47	ABOUT	1.78	100	47	ONE	2.45	100	47	ONE	1.95	100	47	NOT	2.23	100
48	HOW	2.75	100	48	MORE	1.96	100	48	DURING	1.77	100	48	WHICH	2.43	100	48	SOLVE	1.94	100	48	SOME	2.23	100
49	WOULD	2.66	100	49	YOU	1.95	100	49	TWO	1.76	100	49	THERE	2.40	100	49	SIN	1.94	100	49	THROUGH	2.16	100
50	HIM	2.64	100	50	FOLLOWING	1.93	100	50	MORE	1.72	100	50	WORLD	2.33	100	50	YEAR	1.94	100	50	ALL	2.13	100
51	WRITE	2.47	100	51	CAN	1.92	100	51	THEM	1.70	100	51	WORK	2.26	100	51	VALUES	1.88	100	51	PLANTS	2.11	100
52	WHO	2.46	100	52	OTHER	1.84	100	52	SOME	1.68	100	52	SCHOOL	2.12	100	52	AXIS	1.86	100	52	OXYGEN	2.08	100
53	IF	2.40	100	53	MOST	1.81	100	53	WORLD	1.67	100	53	WHEN	1.93	100	53	NUMBERS	1.83	100	53	TUBE	2.03	100
54	ME	2.38	100	54	THAN	1.76	100	54	HOW	1.67	100	54	OTHER	1.92	100	54	WHICH	1.82	100	54	ITS	2.01	100
55	WHICH	2.37	100	55	FIGURE	1.74	100	55	WOULD	1.67	100	55	GOVERNMENT	1.89	100	55	WRITE	1.81	100	55	GAS	1.92	100
56	THEIR	2.36	100	56	SOUTH	1.71	100	56	WHY	1.65	100	56	THESE	1.88	100	56	TAX	1.77	100	56	PLACE	1.87	100
57	THEM	2.35	100	57	WORLD	1.68	100	57	BECAME	1.62	100	57	WERE	1.87	100	57	ANGLES	1.74	100	57	OUT	1.82	100
58	SAID	2.34	100	58	MAY	1.67	100	58	ALL	1.61	100	58	WOULD	1.87	100	58	TRIANGLE	1.72	100	58	METHOD	1.80	100
59	SO	2.26	100	59	YOUR	1.67	100	59	COULD	1.58	100	59	SOME	1.85	100	59	YOUR	1.70	100	59	CARBON	1.79	100
60	THINK	2.19	100	60	SEA	1.66	100	60	WHEN	1.58	100	60	PROJECT	1.85	100	60	HEIGHT	1.69	100	60	OTHER	1.78	100
61	WILL	2.19	100	61	LARGE	1.66	100	61	USED	1.57	100	61	EUROPEAN	1.80	100	61	TERMS	1.68	100	61	YOUR	1.77	100
62	THEN	2.15	100	62	PHOTOGRAPH	1.64	100	62	HAVE	1.55	100	62	MAKE	1.76	100	62	VOLUME	1.62	100	62	HOW	1.77	100
63	CAN	2.12	100	63	SO	1.64	100	63	ARE	1.53	100	63	HE	1.75	100	63	ITS	1.62	100	63	PLANT	1.74	100
64	ANSWER	2.12	100	64	VERY	1.62	100	64	INTO	1.50	100	64	IF	1.75	100	64	UNDER	1.60	100	64	ACID	1.73	100
65	TWO	2.12	100	65	NEW	1.60	100	65	MADE	1.50	100	65	IRISH	1.69	100	65	SAME	1.55	100	65	CURRENT	1.71	100
66	POEM	2.11	100	66	HIGH	1.56	100	66	CALLED	1.46	100	66	CLASS	1.68	100	66	WHEN	1.55	100	66	WE	1.62	100
67	VERY	2.05	100	67	OVER	1.56	100	67	VERY	1.45	100	67	BEEN	1.68	100	67	THREE	1.53	100	67	USE	1.58	100
68	HAS	1.92	100	68	THERE	1.53	100	68	THERE	1.44	100	68	CHILDREN	1.67	100	68	ALL	1.53	100	68	SOLUTION	1.56	100
69	WORDS	1.90	100	69	WHEN	1.52	100	69	YEAR	1.44	100	69	EACH	1.65	100	69	QUESTION	1.53	100	69	SO	1.54	100
70	NO	1.79	100	70	EXPLAIN	1.50	100	70	OTHER	1.43	100	70	MORE	1.65	100	70	DRAW	1.50	100	70	DIOXIDE	1.53	100

71	PEOPLE	1.74	100	71	USE	1.50	100	71	LAND	1.43	100	71	COUNCIL	1.63	100	71	SYMMETRY	1.47	100	71	PAPER	1.47	100
72	INTO	1.74	100	72	NORTH	1.48	100	72	OUT	1.37	100	72	DAY	1.62	100	72	RATE	1.44	100	72	SHOW	1.46	100
73	TIME	1.73	100	73	SOIL	1.48	100	73	FIRST	1.36	100	73	COULD	1.58	100	73	IMAGE	1.42	100	73	MAKE	1.45	100
74	MAKE	1.65	100	74	TOWNS	1.47	100	74	ARMY	1.34	100	74	MANY	1.57	100	74	EQUAL	1.41	100	74	DIFFERENT	1.44	100
75	SOME	1.65	100	75	TOWN	1.45	100	75	AFTER	1.32	100	75	GROUP	1.56	100	75	KM (KILOMETRES)	1.40	100	75	MORE	1.40	100
76	BEEN	1.59	100	76	AIR	1.44	100	76	ITS	1.29	100	76	WHY	1.55	100	76	RADIUS	1.40	100	76	LIQUID	1.39	100
77	DOWN	1.55	100	77	SETTLEMENT	1.42	100	77	SO	1.26	100	77	TWO	1.55	100	77	CAN	1.34	100	77	USING	1.38	100
78	READ	1.54	100	78	BECAUSE	1.42	100	78	GREAT	1.25	100	78	OUR	1.54	100	78	EXPRESS	1.33	100	78	WOULD	1.37	100
79	MORE	1.52	100	79	CALLED	1.42	100	79	OVER	1.24	100	79	HAD	1.52	100	79	TIME	1.31	100	79	CELLS	1.35	100
80	GOOD	1.50	100	80	DO	1.40	100	80	BETWEEN	1.21	100	80	ALSO	1.48	100	80	USE	1.31	100	80	THEM	1.34	100
81	GIVE	1.47	100	81	INTO	1.40	100	81	CHURCH	1.21	100	81	GET	1.46	100	81	HAS	1.31	100	81	THAN	1.34	100
82	COULD	1.46	100	82	UP	1.39	100	82	EACH	1.19	100	82	GROUPS	1.45	100	82	MEAN	1.31	100	82	THESE	1.33	100
83	SEE	1.46	100	83	WHERE	1.39	100	83	TIME	1.19	100	83	THEM	1.44	100	83	PEOPLE	1.31	100	83	SMALL	1.33	100
84	WRITING	1.46	100	84	NOT	1.37	100	84	SUCH	1.19	100	84	THINK	1.42	100	84	SO	1.31	100	84	FORM	1.28	100
85	WHERE	1.44	100	85	HOW	1.36	100	85	FOLLOWING	1.19	100	85	HUMAN	1.38	100	85	THEREFORE	1.27	100	85	SHOWN	1.28	100
86	EACH	1.43	100	86	BEEN	1.35	100	86	WORK	1.12	100	86	SHOULD	1.36	100	86	NOT	1.27	100	86	PRESSURE	1.27	100
87	JUST	1.40	100	87	BETWEEN	1.34	100	87	HOWEVER	1.11	100	87	SHE	1.34	100	87	WHAT	1.24	100	87	THEIR	1.27	100
88	USE	1.38	100	88	IDENTIFY	1.34	100	88	THREE	1.11	100	88	YEARS	1.31	100	88	CIRCLE	1.23	100	88	COPPER	1.24	100
89	NEW	1.38	100	89	WHY	1.32	100	89	YEARS	1.09	100	89	BUT	1.30	100	89	COS (COSINE)	1.22	100	89	TEMPERATURE	1.23	100
90	US	1.34	100	90	ALSO	1.31	100	90	NOW	1.08	100	90	AREA	1.29	100	90	NOTE	1.21	100	90	SOIL	1.22	100
91	WELL	1.34	100	91	ACTIVITIES	1.29	100	91	NORTHERN	1.05	100	91	PART	1.29	100	91	FORM	1.18	100	91	BUT	1.22	100
92	WAY	1.32	100	92	ALL	1.24	100	92	THAN	1.05	100	92	TAKE	1.28	100	92	TOTAL	1.17	100	92	MADE	1.21	100
93	FIRST	1.30	100	93	THREE	1.24	100	93	SET	1.03	100	93	MADE	1.27	100	93	MANY	1.17	100	93	METALS	1.21	100
94	NOW	1.29	100	94	THEN	1.22	100	94	BUILT	1.01	100	94	LIKE	1.26	100	94	SLOPE	1.16	100	94	VERY	1.20	100
95	QUESTIONS	1.26	100	95	IRISH	1.22	100	95	POLITICAL	1.01	100	95	EU (EUROPEAN UNION)	1.26	100	95	POINTS	1.15	100	95	DO	1.19	100
96	OVER	1.26	100	96	CENTRE	1.22	100	96	ONLY	0.99	100	96	QUESTIONS	1.26	100	96	DOWN	1.15	100	96	ANIMALS	1.18	100
97	BACK	1.25	100	97	CO (COUNTY)	1.22	100	97	SOURCE	0.98	100	97	INTO	1.25	100	97	FREQUENCY	1.14	100	97	BLOOD	1.16	100
98	FOLLOWING	1.24	100	98	CITIES	1.19	100	98	NAME	0.98	100	98	NEW	1.23	100	98	FIRST	1.14	100	98	BODY	1.16	100
99	SCHOOL	1.24	100	99	PER	1.19	100	99	COUNTRY	0.97	100	99	FIND	1.23	100	99	SIDE	1.14	100	99	THERE	1.16	100
100	LOOK	1.15	100	100	STUDY	1.17	100	100	WE	0.97	100	100	COUNTRIES	1.22	100	100	COST	1.13	100	100	FIND	1.15	100

Appendix B2: The 100 most frequent function and content words in the six examinations-based corpora (minimum frequency 40 per million words, minimum range 60%, normalized frequency counts per mille words).

ENGLISH				GEOGRAPHY				HISTORY				CSPE				MATHEMATICS					SCIENCE			
N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	%	F ‰	R %	N	Word	F ‰	R %
1	THE	55.04	100	1	THE	73.67	100	1	THE	73.41	100	1	THE	39.64	100	1	THE	8.28867977	82.89	100	1	THE	84.91	100
2	OF	26.37	100	2	OF	41.18	100	2	OF	40.60	100	2	OF	24.58	100	2	OF	5.964277144	59.64	100	2	OF	44.58	100
3	A	26.06	100	3	A	23.33	100	3	IN	28.63	100	3	TO	15.60	100	3	A	3.705044685	37.05	100	3	A	44.51	100
4	AND	22.68	100	4	IN	22.15	100	4	A	23.29	100	4	IN	15.27	100	4	IN	1.752353382	17.52	100	4	IN	23.08	100
5	YOU	21.68	100	5	AND	14.10	100	5	AND	20.84	100	5	A	14.86	100	5	AND	1.747525962	17.48	100	5	TO	17.96	100
6	TO	20.87	100	6	TO	13.24	100	6	TO	15.85	100	6	MARKS	11.25	100	6	TO	1.653391276	16.53	100	6	IS	16.52	100
7	IN	15.29	100	7	IS	13.14	100	7	ONE	11.13	100	7	YOU	9.55	100	7	IS	1.387883188	13.88	100	7	NAME	15.11	100
8	I	14.02	100	8	PAGE	11.67	100	8	WAS	10.09	100	8	AND	8.65	100	8	PAGE	1.33960899	13.40	90	8	DIAGRAM	12.87	100
9	THIS	9.11	100	9	CORRECT	9.60	100	9	THAT	8.88	100	9	FOR	8.46	100	9	FIND	1.305817052	13.06	100	9	AND	10.70	100
10	FOR	8.99	100	10	BOX	8.37	100	10	TWO	8.73	100	10	SECTION	5.37	100	10	FOR	0.856867012	8.57	100	10	FOR	10.31	100
11	IS	8.82	100	11	THIS	7.48	100	11	FROM	8.70	100	11	PEOPLE	5.15	100	11	CM	0.849625882	8.50	100	11	WHAT	8.41	100
12	YOUR	8.79	100	12	MAP	7.31	100	12	ANSWER	8.23	100	12	YOUR	5.12	100	12	BOX	0.654115381	6.54	80	12	ONE	8.24	100
13	OR	8.62	100	13	TICK	7.16	100	13	AN	6.55	100	13	ON	4.87	100	13	ON	0.620323442	6.20	100	13	AN	7.80	100
14	IT	8.45	100	14	AT	6.15	100	14	PICTURE	6.43	100	14	NAME	4.82	100	14	THAT	0.584117794	5.84	100	14	USE	7.64	100
15	ON	8.43	100	15	ANSWER	5.96	100	15	DURING	6.40	100	15	PAGE	4.79	100	15	AT	0.545498436	5.45	100	15	ON	7.35	100
16	THAT	8.02	100	16	ONE	5.91	100	16	OR	5.84	100	16	ANSWER	4.68	100	16	NUMBER	0.543084726	5.43	100	16	GIVE	7.30	100
17	ANSWER	7.33	100	17	WHICH	5.83	100	17	NAME	5.64	100	17	THIS	4.65	100	17	YOUR	0.521361337	5.21	100	17	THAT	6.90	100
18	WAS	7.25	100	18	OR	5.71	100	18	BY	5.59	100	18	THAT	4.02	100	18	BE	0.497224238	4.97	100	18	THIS	6.64	100
19	WHAT	6.71	100	19	ON	5.41	100	19	WHAT	5.54	100	19	ONE	3.91	100	19	EACH	0.473087139	4.73	100	19	FROM	6.59	100
20	HE	5.80	100	20	ARE	5.17	100	20	ON	5.51	100	20	QUESTION	3.80	100	20	MARKS	0.45860488	4.59	100	20	WATER	6.44	100
21	WITH	5.73	100	21	WITH	5.00	100	21	WHY	5.51	100	21	IS	3.64	100	21	CALCULATE	0.45136375	4.51	100	21	PAGE	6.19	100
22	PAGE	5.72	100	22	FOR	4.90	100	22	THIS	5.49	100	22	ARE	3.23	100	22	M	0.44895004	4.49	100	22	TWO	6.16	100
23	HAVE	5.65	100	23	YOU	4.90	100	23	PAGE	5.44	80	23	QUESTIONS	3.15	100	23	VALUE	0.44895004	4.49	100	23	LABELLED	6.02	100
24	FROM	5.12	100	24	POPULATION	4.73	90	24	YOU	5.44	100	24	FROM	3.09	100	24	WRITE	0.4392952	4.39	100	24	ARE	5.87	100
25	MY	4.43	100	25	AN	4.68	100	25	FOLLOWING	5.39	100	25	HAVE	3.04	100	25	FROM	0.427226651	4.27	100	25	SECTION	5.21	100
26	ARE	4.25	100	26	FROM	4.60	100	26	IS	5.37	100	26	TWO	3.04	100	26	ANSWER	0.410330682	4.10	100	26	QUESTION	4.93	100
27	DO	4.25	100	27	NAME	4.58	100	27	GIVE	5.34	100	27	WHAT	3.04	100	27	GRAPH	0.393434712	3.93	100	27	SHOWS	4.93	100
28	ONE	4.21	100	28	TWO	4.48	100	28	WERE	5.27	100	28	IT	2.76	100	28	ARE	0.369297614	3.69	100	28	USED	4.81	100
29	AS	4.06	100	29	PHOTOGRAPH	4.28	100	29	YOUR	4.70	100	29	THREE	2.76	100	29	SHOWN	0.369297614	3.69	100	29	WITH	4.68	100
30	HER	4.01	100	30	DIAGRAM	4.26	100	30	FOR	4.48	100	30	EACH	2.68	100	30	AS	0.366883904	3.67	100	30	BY	4.56	100

31	AT	3.98	100	31	BE	4.06	100	31	WITH	4.23	100	31	ACTION	2.57	90	31	WORK	0.345160515	3.45	100	31	ANSWER	4.44	100
32	WHICH	3.96	100	32	AREA	4.04	100	32	WHICH	4.13	100	32	WOULD	2.49	100	32	POINT	0.342746805	3.43	100	32	WHICH	4.05	100
33	BE	3.90	100	33	EXPLAIN	3.99	90	33	PEOPLE	4.10	100	33	AN	2.35	100	33	TWO	0.342746805	3.43	100	33	BE	4.04	100
34	HIS	3.89	100	34	YOUR	3.96	100	34	WRITE	3.96	100	34	WRITE	2.33	100	34	HOW	0.330678255	3.31	100	34	EXPERIMENT	4.02	100
35	BY	3.75	100	35	SHOWS	3.72	100	35	SOURCE	3.76	100	35	HAS	2.30	100	35	LINE	0.328264545	3.28	100	35	YOU	4.02	100
36	NOT	3.74	100	36	SURVEY	3.50	100	36	AT	3.49	100	36	AT	2.22	100	36	AREA	0.321023416	3.21	100	36	ONLY	3.97	100
37	ABOUT	3.73	100	37	ORDNANCE	3.47	100	37	MENTION	3.49	100	37	BELOW	2.22	100	37	TOTAL	0.311368576	3.11	100	37	EXAMINER	3.70	100
38	SHE	3.73	100	38	OVER	3.42	100	38	MARKS	3.46	100	38	CLASS	2.22	100	38	TRIANGLE	0.308954866	3.09	100	38	PART	3.63	100
39	ME	3.42	100	39	EACH	3.20	100	39	IT	3.29	100	39	POSTER	2.14	100	39	BY	0.304127446	3.04	100	39	SHOWN	3.48	100
40	TWO	3.26	100	40	DESCRIBE	3.13	100	40	QUESTIONS	3.19	100	40	WITH	2.14	100	40	DIAGRAM	0.296886317	2.97	100	40	RIGHT	3.43	100
41	SECTION	3.22	100	41	BY	3.08	100	41	ACCOUNT	2.94	100	41	AS	2.11	100	41	LENGTH	0.284817767	2.85	100	41	DESCRIBE	3.15	100
42	WOULD	3.16	100	42	THAT	3.08	100	42	ABOUT	2.89	100	42	CSPE	2.08	100	42	DOWN	0.279990347	2.80	100	42	WHEN	3.01	100
43	THINK	3.04	100	43	SHOWN	3.03	100	43	WE	2.87	90	43	COULD	2.03	100	43	PAPER	0.272749218	2.73	100	43	ENERGY	2.98	100
44	AN	3.01	100	44	BELOW	3.00	100	44	WAR	2.84	100	44	ABOUT	1.92	90	44	CORRECT	0.267921798	2.68	100	44	HOW	2.94	100
45	POEM	3.01	100	45	QUESTIONS	3.00	100	45	AS	2.82	100	45	FIRST	1.92	90	45	HAS	0.265508088	2.66	100	45	WHY	2.86	100
46	WE	2.89	100	46	THREE	2.98	100	46	PAPER	2.72	100	46	WHY	1.92	100	46	AN	0.260680668	2.61	100	46	FOOD	2.84	100
47	BUT	2.88	100	47	HAS	2.90	100	47	HAVE	2.62	100	47	OR	1.89	100	47	USE	0.258266958	2.58	100	47	CAN	2.83	100
48	WHY	2.87	100	48	HAVE	2.81	100	48	WHO	2.62	100	48	DESCRIBE	1.81	100	48	WHAT	0.246198409	2.46	100	48	BELOW	2.67	100
49	OVER	2.85	100	49	FOLLOWING	2.73	100	49	HIS	2.50	100	49	SCHOOL	1.81	100	49	EQUATION	0.22930244	2.29	100	49	LIST	2.62	100
50	WRITE	2.84	100	50	IT	2.71	100	50	EXPLAIN	2.47	100	50	RIGHTS	1.78	100	50	SOLVE	0.22206131	2.22	100	50	WAS	2.59	100
51	ALL	2.79	100	51	PROVIDED	2.56	100	51	DOCUMENT	2.45	100	51	BY	1.67	90	51	OR	0.2196476	2.20	100	51	QUESTIONS	2.57	100
52	GIVE	2.77	100	52	SECTION	2.51	100	52	HAD	2.42	100	52	BE	1.67	100	52	THIS	0.2196476	2.20	100	52	EACH	2.47	100
53	THEY	2.77	100	53	STATEMENTS	2.46	100	53	REASONS	2.40	100	53	BEEN	1.67	100	53	STUDENTS	0.21482018	2.15	90	53	IT	2.46	100
54	THEN	2.66	100	54	COUNTRY	2.41	100	54	DID	2.32	100	54	DO	1.64	100	54	IF	0.21482018	2.15	100	54	OR	2.42	100
55	THERE	2.65	100	55	EITHER	2.36	100	55	THEY	2.30	100	55	SECOND	1.61	90	55	PER	0.21482018	2.15	100	55	LIGHT	2.41	90
56	HOW	2.61	100	56	PEOPLE	2.34	100	56	BOOK	2.27	100	56	WHEN	1.61	100	56	COST	0.212406471	2.12	100	56	TEST	2.24	100
57	HAD	2.58	100	57	EXAMINE	2.29	100	57	IRISH	2.27	100	57	UP	1.59	100	57	USING	0.207579051	2.08	100	57	TABLE	2.22	100
58	LIKE	2.46	100	58	HOW	2.26	90	58	NOT	2.27	100	58	CAMPAIGN	1.48	90	58	DRAW	0.200337921	2.00	100	58	FOLLOWING	2.17	100
59	QUESTIONS	2.44	100	59	COLUMN	2.26	100	59	OVER	2.27	100	59	GIVE	1.48	100	59	GIVE	0.197924211	1.98	100	59	WRITE	2.17	100
60	FOLLOWING	2.39	100	60	MARKS	2.24	100	60	CENTURY	2.23	100	60	COMMUNITY	1.45	80	60	GIVEN	0.197924211	1.98	100	60	PLANT	2.14	100
61	OUT	2.29	100	61	WORLD	2.17	100	61	HINTS	2.23	100	61	EUROPEAN	1.45	100	61	KM	0.197924211	1.98	100	61	GAS	2.12	100
62	QUESTION	2.22	100	62	CITY	2.02	100	62	PERSON	2.23	100	62	TAKE	1.45	100	62	WAS	0.197924211	1.98	100	62	NUMBER	2.05	100
63	PAPER	2.20	100	63	LOOK	1.99	100	63	DO	2.18	100	63	EXAMINATION	1.40	100	63	TAX	0.195510501	1.96	90	63	AT	2.00	100
64	EXPLAIN	2.17	100	64	NORTH	1.97	100	64	HE	2.18	100	64	THESE	1.40	100	64	FORM	0.190683081	1.91	100	64	CIRCUIT	1.88	100
65	WERE	2.15	100	65	RIVER	1.97	100	65	HISTORY	2.13	100	65	WILL	1.40	100	65	EXTRA	0.188269372	1.88	80	65	SHOW	1.88	100
66	STORY	2.12	100	66	WHY	1.92	90	66	EXAMINATION	2.05	100	66	INFORMATION	1.40	100	66	CIRCLE	0.188269372	1.88	100	66	USING	1.87	100
67	CAN	2.09	100	67	CLIMATE	1.92	100	67	LEADER	2.05	100	67	THEY	1.40	100	67	FOLLOWING	0.185855662	1.86	100	67	BOX	1.85	100
68	UP	2.06	100	68	FOLDER	1.90	100	68	THERE	2.05	100	68	WORLD	1.34	90	68	WITH	0.183441952	1.83	100	68	COMPLETE	1.78	100
69	EXTRACT	2.05	100	69	USE	1.85	100	69	ALL	1.93	100	69	HELP	1.34	100	69	ALL	0.178614532	1.79	100	69	LETTER	1.77	70
70	SO	2.01	100	70	AS	1.82	100	70	REVOLUTION	1.90	100	70	WHICH	1.34	100	70	ONE	0.178614532	1.79	100	70	WOULD	1.75	100

71	WHEN	1.98	100	71	WHAT	1.80	90	71	PICTURES	1.85	100	71	DAY	1.26	80	71	SUPERINTEND	0.178614532	1.79	100	71	CHOOSE	1.73	100
72	READ	1.97	100	72	NUMBER	1.80	100	72	TURN	1.81	90	72	ALL	1.26	100	72	HOURS	0.176200822	1.76	100	72	FUNCTION	1.72	100
73	TURN	1.96	100	73	SEA	1.80	100	73	AGE	1.81	100	73	CHILDREN	1.26	100	73	MANY	0.173787112	1.74	100	73	HAVE	1.70	100
74	HIM	1.84	100	74	WAS	1.77	100	74	WORK	1.81	100	74	SHOULD	1.26	100	74	PART	0.173787112	1.74	100	74	EQUIPMENT	1.68	80
75	HAS	1.81	100	75	AID	1.75	90	75	LIFE	1.78	100	75	EXPLAIN	1.20	90	75	QUESTION	0.173787112	1.74	100	75	IF	1.68	100
76	NO	1.81	100	76	WEATHER	1.75	100	76	BE	1.76	100	76	IRISH	1.20	100	76	NEAREST	0.171373402	1.71	100	76	YOUR	1.68	100
77	DESCRIBE	1.76	100	77	ABOVE	1.72	100	77	NAMED	1.76	100	77	CAN	1.18	90	77	K	0.166545983	1.67	100	77	DOES	1.65	100
78	IF	1.75	100	78	PAPER	1.70	100	78	EXTRACT	1.71	100	78	YOUNG	1.18	90	78	TABLE	0.161718563	1.62	100	78	AID	1.61	80
79	PLAY	1.74	100	79	FEATURE	1.67	100	79	THEN	1.71	100	79	ONLY	1.18	100	79	VOLUME	0.159304853	1.59	100	79	LIQUID	1.58	100
80	WHO	1.73	100	80	TOWN	1.67	100	80	CHANGES	1.66	100	80	REASON	1.12	70	80	SUPPORTING	0.156891143	1.57	80	80	EFFECT	1.53	100
81	WILL	1.69	100	81	TYPE	1.67	100	81	REASON	1.66	100	81	HUMAN	1.12	90	81	CALCULATOR	0.154477433	1.54	90	81	STATE	1.51	100
82	DID	1.65	100	82	LABELLED	1.65	70	82	THEIR	1.66	100	82	IMPORTANT	1.12	100	82	BELOW	0.149650013	1.50	100	82	AS	1.50	100
83	NAME	1.62	100	83	LAND	1.65	90	83	BELOW	1.63	100	83	ANY	1.12	100	83	YEAR	0.149650013	1.50	100	83	TYPE	1.48	100
84	MUST	1.61	100	84	SOUTH	1.65	100	84	DOCUMENTS	1.51	100	84	ELECTION	1.09	80	84	EXPRESS	0.147236303	1.47	100	84	AIR	1.46	100
85	EACH	1.60	100	85	AERIAL	1.62	90	85	EVIDENCE	1.51	100	85	WHO	1.09	90	85	ANGLE	0.144822594	1.45	100	85	REASON	1.46	100
86	ANY	1.59	100	86	RAINFALL	1.62	100	86	RENAISSANCE	1.48	100	86	NUMBER	1.09	100	86	MATHEMATIC	0.144822594	1.45	100	86	CARBON	1.43	100
87	PEOPLE	1.58	100	87	STUDY	1.62	100	87	MIDDLE	1.46	100	87	STUDY	1.09	100	87	HEIGHT	0.142408884	1.42	100	87	METALS	1.41	100
88	NOW	1.56	100	88	GEOGRAPHY	1.58	100	88	OUT	1.46	100	88	COURT	1.07	60	88	DECIMAL	0.139995174	1.40	100	88	ANY	1.40	90
89	GOOD	1.53	100	89	REASONS	1.53	90	89	STUDY	1.46	100	89	HOW	1.07	100	89	QUESTIONS	0.139995174	1.40	100	89	HAPPENS	1.31	90
90	THEIR	1.53	100	90	URBAN	1.50	100	90	THESE	1.46	100	90	IF	1.07	100	90	AXIS	0.135167754	1.35	100	90	HEAT	1.31	100
91	BEEN	1.49	100	91	BEEN	1.48	100	91	WORLD	1.46	100	91	POLITICAL	1.07	100	91	CENTRE	0.135167754	1.35	100	91	CHEMICAL	1.30	100
92	REASONS	1.49	100	92	CALLED	1.48	100	92	ARE	1.43	100	92	WAS	1.07	100	92	LEVEL	0.135167754	1.35	100	92	DIOXIDE	1.30	100
93	STUDIED	1.46	100	93	EXAMINATION	1.48	100	93	AGES	1.38	100	93	THINK	1.04	90	93	RADIUS	0.135167754	1.35	100	93	OTHER	1.30	100
94	MORE	1.43	100	94	SOIL	1.48	100	94	SINCE	1.38	100	94	BOX	1.04	100	94	WHICH	0.135167754	1.35	100	94	PROVIDED	1.30	100
95	SCENE	1.42	100	95	RETURN	1.45	100	95	TWENTIETH	1.36	100	95	MAKE	1.04	100	95	OBTAINED	0.132754044	1.33	100	95	CURRENT	1.28	100
96	THEM	1.41	100	96	THAN	1.45	100	96	COUNTRY	1.34	100	96	NOT	1.04	100	96	OTHERWISE	0.132754044	1.33	100	96	THREE	1.28	100
97	WHERE	1.40	100	97	ALL	1.43	100	97	AFTER	1.31	100	97	ORGANISATION	1.04	100	97	TIME	0.130340334	1.30	90	97	ACID	1.26	90
98	FOLLOW	1.38	100	98	WATER	1.40	100	98	BUT	1.26	100	98	ACTIONS	0.99	90	98	INTO	0.130340334	1.30	100	98	PIECE	1.24	90
99	LOOK	1.38	100	99	BETWEEN	1.38	100	99	TIME	1.24	100	99	LOCAL	0.99	90	99	ITS	0.130340334	1.30	100	99	SCIENCE	1.23	100
100	SAID	1.37	100	100	FORMED	1.38	100	100	MEDIEVAL	1.21	100	100	GROUP	0.96	60	100	SPACE	0.127926624	1.28	90	100	PLANTS	1.21	100

Appendix B3: English function words list (320 word types; adapted from Nation, 2001: 430-431) used as a stoplist in the word frequency analysis of the twelve corpora.

Adverbial particles (52)

again ago almost already also always anywhere back else even ever everywhere far hence here hither how however near nearby nearly never not now nowhere often only quite rather sometimes somewhere soon still then thence there therefore thither thus today tomorrow too underneath very when whence where whither why yes yesterday yet

Auxiliary verbs *(including contractions)* (72)

am are aren't be been being can can't could couldn't did didn't do does doesn't doing done don't get gets getting got had hadn't has hasn't have haven't having he'd he'll he's I'd I'll I'm is I've isn't it's may might must mustn't ought oughtn't shall shan't she'd she'll she's should shouldn't that's they'd they'll they're was wasn't we'd we'll were we're weren't we've will won't would wouldn't you'd you'll you're you've

Prepositions/conjunctions *(one category since there is some overlap)* (53)

about above after along although among and around as at before below beneath beside between beyond but by down during except for from if in into near nor of off on or out over round since so than that though through till to towards under unless until up whereas while with within without

Determiners / pronouns *(omitting archaic thou, thee, etc.) (76)*

a all an another any anybody anything both each either enough every everybody everyone everything few fewer he her hers herself him himself his I it its itself less many me mine more most much my myself neither no nobody none no-one nothing other others our ours ourselves she some somebody someone something such that the their theirs them themselves these they this those us we what which who whom whose you your yours yourself yourselves

Numbers *(67)*

billion billionth eight eighteen eighteenth eighth eightieth eighty eleven eleventh fifteen fifteenth fifth fiftieth fifty first five fortieth forty four fourteen fourteenth fourth hundred hundredth last million millionth next nine nineteen nineteenth ninetieth ninety ninth once one second seven seventeen seventeenth seventh seventieth seventy six sixteen sixteenth sixth sixtieth sixty ten tenth third thirteen thirteenth thirtieth thirty thousand thousandth three thrice twelfth twelve twentieth twenty twice two

Appendix B4: The 100 most frequent content words in the six textbooks-based corpora (minimum frequency 40 per million words, minimum range 75%, normalized frequency counts per mille words).

ENGLISH				GEOGRAPHY				HISTORY				CSPE				MATHEMATICS				SCIENCE			
N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %
1	STORY	2.27	100	1	PEOPLE	3.79	100	1	PEOPLE	4.36	100	1	PEOPLE	6.54	100	1	FIND	6.85	100	1	WATER	9.65	100
2	LIKE	2.19	100	2	MAP	3.29	100	2	WAR	3.34	100	2	ACTION	2.99	100	2	CM (CENTIMETRES)	5.66	100	2	ENERGY	3.93	100
3	WRITE	1.95	100	3	POPULATION	3.11	100	3	IRISH	2.96	100	3	COMMUNITY	2.92	100	3	NUMBER	5.38	100	3	USED	2.90	100
4	SAID	1.84	100	4	AREAS	3.11	100	4	GOVERNMENT	2.74	100	4	RIGHTS	2.90	100	4	CALCULATE	5.26	100	4	LIGHT	2.75	100
5	THINK	1.73	100	5	WATER	3.05	100	5	CENTURY	2.16	100	5	LOCAL	2.78	100	5	LINE	3.65	100	5	AIR	2.66	100
6	ANSWER	1.67	100	6	AREA	2.82	100	6	BRITISH	2.01	100	6	WORLD	2.33	100	6	AREA	3.60	100	6	FOOD	2.57	100
7	POEM	1.66	100	7	COUNTRIES	2.13	75	7	NEW	1.85	100	7	WORK	2.26	100	7	VALUE	3.07	100	7	TEST	2.52	100
8	WORDS	1.49	100	8	CITY	2.11	100	8	WORLD	1.67	100	8	SCHOOL	2.12	100	8	EQUATION	2.85	100	8	HEAT	2.50	100
9	PEOPLE	1.37	100	9	RIVER	2.08	100	9	BECAME	1.62	100	9	GOVERNMENT	1.89	100	9	POINT	2.84	100	9	EXPERIMENT	2.38	100
10	TIME	1.36	100	10	LAND	1.98	100	10	USED	1.57	100	10	PROJECT	1.85	100	10	EXAMPLE	2.67	100	10	CALLED	2.26	100
11	MAKE	1.30	100	11	FOLLOWING	1.93	100	11	MADE	1.50	100	11	EUROPEAN	1.80	100	11	GIVEN	2.40	100	11	PLANTS	2.10	100
12	READ	1.21	100	12	FIGURE	1.75	100	12	CALLED	1.46	100	12	MAKE	1.76	100	12	FOLLOWING	2.39	100	12	OXYGEN	2.07	100
13	GOOD	1.18	100	13	SOUTH	1.71	100	13	YEAR	1.44	100	13	IRISH	1.69	100	13	SOLUTION	2.30	100	13	TUBE	2.03	100
14	GIVE	1.15	100	14	WORLD	1.68	100	14	LAND	1.43	100	14	CLASS	1.68	100	14	ANGLE	2.18	100	14	GAS	1.91	100
15	SEE	1.15	100	15	SEA	1.67	100	15	ARMY	1.34	100	15	CHILDREN	1.67	100	15	SIDES	2.03	100	15	PLACE	1.86	100
16	WRITING	1.15	100	16	LARGE	1.66	100	16	GREAT	1.25	100	16	COUNCIL	1.63	100	16	LENGTH	2.01	100	16	METHOD	1.80	100
17	JUST	1.10	100	17	PHOTOGRAPH	1.65	100	17	CHURCH	1.21	100	17	DAY	1.62	100	17	GRAPH	2.00	100	17	CARBON	1.79	100
18	USE	1.09	100	18	NEW	1.60	100	18	TIME	1.19	100	18	GROUP	1.56	100	18	DIAGRAM	1.94	100	18	PLANT	1.74	100
19	NEW	1.08	100	19	HIGH	1.56	100	19	FOLLOWING	1.19	100	19	GROUPS	1.45	100	19	SOLVE	1.89	100	19	ACID	1.73	100
20	WELL	1.05	100	20	EXPLAIN	1.51	100	20	WORK	1.12	100	20	THINK	1.42	100	20	SIN (SINE)	1.89	100	20	CURRENT	1.71	100
21	WAY	1.04	100	21	USE	1.51	100	21	YEARS	1.09	100	21	HUMAN	1.38	100	21	YEAR	1.89	100	21	USE	1.58	100
22	QUESTIONS	0.99	100	22	NORTH	1.49	100	22	NORTHERN	1.05	100	22	YEARS	1.30	100	22	VALUES	1.84	100	22	SOLUTION	1.56	100
23	FOLLOWING	0.98	100	23	SOIL	1.49	100	23	SET	1.03	100	23	AREA	1.29	100	23	AXIS	1.81	100	23	DIOXIDE	1.53	100
24	SCHOOL	0.97	100	24	TOWNS	1.48	100	24	BUILT	1.01	100	24	PART	1.29	100	24	NUMBERS	1.78	100	24	PAPER	1.46	100
25	LOOK	0.91	100	25	TOWN	1.46	100	25	POLITICAL	1.01	100	25	TAKE	1.28	100	25	WRITE	1.77	100	25	SHOW	1.45	100
26	CHARACTERS	0.90	100	26	AIR	1.44	100	26	SOURCE	0.98	100	26	MADE	1.27	100	26	TAX	1.73	100	26	MAKE	1.45	100
27	CHARACTER	0.88	100	27	SETTLEMENT	1.42	100	27	NAME	0.98	100	27	LIKE	1.26	100	27	ANGLES	1.69	100	27	DIFFERENT	1.43	100
28	GO	0.86	100	28	BECAUSE	1.42	100	28	COUNTRY	0.97	100	28	EU (EUROPEAN UNION)	1.26	100	28	TRIANGLE	1.68	100	28	LIQUID	1.39	100
29	LITTLE	0.86	100	29	CALLED	1.42	100	29	TREATY	0.97	100	29	QUESTIONS	1.26	100	29	HEIGHT	1.64	100	29	USING	1.38	100
30	KNOW	0.85	100	30	IDENTIFY	1.34	100	30	BECAUSE	0.95	100	30	NEW	1.23	100	30	TERMS	1.64	100	30	CELLS	1.35	100

31	LIFE	0.83	100	31	ACTIVITIES	1.29	100	31	EUROPEAN	0.94	100	31	FIND	1.23	100	31	VOLUME	1.58	100	31	SMALL	1.33	100
32	MOTHER	0.80	100	32	IRISH	1.22	100	32	PARTY	0.93	100	32	COUNTRIES	1.22	100	32	SAME	1.51	100	32	FORM	1.27	100
33	OWN	0.77	100	33	CENTRE	1.22	100	33	AGE	0.93	100	33	NAME	1.20	100	33	QUESTION	1.49	100	33	SHOWN	1.27	100
34	DESCRIBE	0.75	100	34	CO (COUNTY)	1.22	100	34	WRITE	0.93	100	34	HELP	1.16	100	34	DRAW	1.47	100	34	PRESSURE	1.27	100
35	OLD	0.74	100	35	CITIES	1.19	100	35	POWER	0.92	100	35	SAID	1.16	100	35	SYMMETRY	1.43	100	35	COPPER	1.24	100
36	GOING	0.73	100	36	PER	1.19	100	36	HOME	0.91	100	36	YOUNG	1.16	100	36	RATE	1.40	100	36	TEMPERATURE	1.23	100
37	CHILDREN	0.73	100	37	STUDY	1.17	100	37	IMPORTANT	0.91	100	37	DIFFERENT	1.14	100	37	IMAGE	1.38	100	37	SOIL	1.22	100
38	MAN	0.73	100	38	ROCK	1.13	100	38	REVOLUTION	0.89	100	38	INFORMATION	1.14	100	38	EQUAL	1.37	100	38	MADE	1.20	100
39	QUESTION	0.71	100	39	USED	1.12	100	39	LIFE	0.88	100	39	RIGHT	1.12	100	39	KM (KILOMETRES)	1.36	100	39	METALS	1.20	100
40	BECAUSE	0.71	100	40	URBAN	1.10	100	40	GERMAN	0.87	100	40	LAW	1.08	100	40	RADIUS	1.36	100	40	ANIMALS	1.18	100
41	HOUSE	0.71	100	41	LOW	1.08	100	41	STATE	0.86	100	41	COUNTRY	1.06	100	41	EXPRESS	1.30	100	41	BLOOD	1.16	100
42	MADE	0.70	100	42	ROADS	1.07	100	42	HISTORY	0.86	100	42	BECAUSE	1.05	100	42	TIME	1.28	100	42	BODY	1.16	100
43	MR	0.69	100	43	MAPS	1.06	100	43	RULE	0.85	100	43	YEAR	1.05	100	43	USE	1.28	100	43	FIND	1.15	100
44	COME	0.68	100	44	INDUSTRY	1.05	100	44	HOUSES	0.84	100	44	GIVE	1.02	100	44	MEAN	1.28	100	44	MASS	1.15	100
45	SAY	0.68	100	45	GRID	1.04	100	45	FRENCH	0.83	100	45	DEVELOPMENT	1.01	100	45	PEOPLE	1.28	100	45	CIRCUIT	1.14	100
46	SHORT	0.68	100	46	SHOWN	1.01	100	46	LED	0.83	100	46	INTERNATIONAL	1.00	100	46	CIRCLE	1.20	100	46	CHEMICAL	1.12	100
47	NAME	0.68	100	47	NAME	1.00	100	47	COUNTRIES	0.83	100	47	PERSON	1.00	100	47	COS (COSINE)	1.19	100	47	ELEMENTS	1.12	100
48	USED	0.67	100	48	WEST	1.00	100	48	CHANGE	0.82	100	48	FOLLOWING	0.97	100	48	NOTE	1.18	100	48	SODIUM	1.10	100
49	WRITER	0.66	100	49	INDUSTRIAL	0.99	100	49	RENAISSANCE	0.80	100	49	ENVIRONMENT	0.96	100	49	FORM	1.15	100	49	ELECTRONS	1.09	100
50	PLACE	0.65	100	50	PAGE	0.99	100	50	WOMEN	0.80	100	50	PARTY	0.95	100	50	TOTAL	1.14	100	50	APPARATUS	1.09	100
51	READING	0.64	100	51	SERVICES	0.98	100	51	STONE	0.80	100	51	STUDENTS	0.95	100	51	SLOPE	1.13	100	51	SEE	1.08	100
52	DAY	0.62	100	52	TIME	0.98	100	52	TOOK	0.79	100	52	MEMBERS	0.94	100	52	POINTS	1.12	100	52	TIME	1.08	100
53	SHOW	0.61	100	53	LOCATION	0.98	100	53	KING	0.78	100	53	ISSUE	0.93	100	53	FREQUENCY	1.12	100	53	ELECTRICITY	1.06	100
54	WORLD	0.61	100	54	WORK	0.98	100	54	CO (COUNTY)	0.77	100	54	POLITICAL	0.93	100	54	SIDE	1.11	100	54	NAME	1.05	100
55	RIGHT	0.60	100	55	FEATURES	0.98	100	55	CITY	0.77	100	55	MEMBER	0.92	100	55	COST	1.10	100	55	DIAGRAM	1.05	100
56	DRAMA	0.59	100	56	YEARS	0.97	100	56	CATHOLIC	0.76	100	56	TIME	0.92	100	56	CORRECT	1.09	100	56	IRON	1.04	100
57	DIFFERENT	0.59	100	57	AID	0.96	75	57	ROMAN	0.76	100	57	USE	0.92	100	57	INTEREST	1.08	100	57	HYDROGEN	1.03	100
58	LINES	0.59	100	58	FORM	0.95	100	58	EARLY	0.75	100	58	MARKS	0.91	100	58	TABLE	1.05	100	58	GLASS	1.02	100
59	PLAY	0.59	100	59	SEE	0.95	100	59	LARGE	0.75	100	59	ORGANISATION	0.91	100	59	EVALUATE	1.05	100	59	FORCE	1.01	100
60	TELL	0.59	100	60	DEVELOPED	0.95	100	60	LIVED	0.75	100	60	COURT	0.90	100	60	SPEED	1.04	100	60	MATERIALS	1.01	100
61	THINGS	0.59	100	61	EVIDENCE	0.95	100	61	ANCIENT	0.75	100	61	CAMPAIGN	0.89	100	61	YEARS	1.04	100	61	BEAKER	1.00	100
62	LONG	0.59	100	62	NATURAL	0.94	100	62	PARLIAMENT	0.74	100	62	INVOLVED	0.88	100	62	RIGHT	1.01	100	62	BECAUSE	1.00	100
63	SCENE	0.59	100	63	BUILT	0.93	100	63	MEN	0.74	100	63	NUMBER	0.88	100	63	USING	1.01	100	63	RESULT	0.98	100
64	FIND	0.58	100	64	ECONOMIC	0.92	100	64	ENGLISH	0.74	100	64	SET	0.86	100	64	PROVE	0.99	100	64	SAME	0.98	100
65	FICTION	0.57	100	65	RIVERS	0.92	100	65	AGAINST	0.73	100	65	IMPORTANT	0.85	100	65	INCOME	0.99	100	65	LEVEL	0.97	100
66	PUT	0.57	100	66	DESCRIBE	0.91	100	66	PART	0.70	100	66	PLACE	0.85	100	66	PER	0.98	100	66	NUMBER	0.97	100
67	EXPLAIN	0.57	100	67	RAIN	0.91	75	67	SOLDIERS	0.70	100	67	STATE	0.84	100	67	DIVIDE	0.98	100	67	SUBSTANCE	0.91	100
68	POETRY	0.57	100	68	COUNTRY	0.89	100	68	LATER	0.69	100	68	WAY	0.83	100	68	PUPILS	0.98	100	68	ATOM	0.87	100
69	TAKE	0.57	100	69	REGIONS	0.89	75	69	EXPLAIN	0.68	100	69	SEE	0.81	100	69	LET	0.97	100	69	SIMPLE	0.87	100
70	GREAT	0.56	100	70	PLACE	0.88	100	70	TOWNS	0.67	100	70	VOTE	0.80	100	70	TAN (TANGENT)	0.94	100	70	METAL	0.85	100

71	WENT	0.56	100	71	REGION	0.88	75	71	USE	0.67	100	71	ANSWER	0.79	100	71	AMOUNT	0.94	100	71	CELL	0.84	100
72	AWAY	0.55	100	72	CLIMATE	0.88	100	72	DAY	0.67	100	72	EXAMPLE	0.79	100	72	DOMAIN	0.93	100	72	ELECTRICAL	0.83	100
73	POINT	0.55	100	73	GIVE	0.86	100	73	RELATIONS	0.66	100	73	ELECTION	0.78	100	73	PRICE	0.93	100	73	VOLUME	0.82	100
74	SOUND	0.54	100	74	NUMBER	0.85	100	74	WANTED	0.65	100	74	WRITE	0.77	100	74	SET	0.91	100	74	ATOMS	0.80	100
75	HOME	0.54	100	75	DEVELOPMENT	0.85	100	75	BEGAN	0.65	100	75	ACTIVITIES	0.76	100	75	ANSWER	0.90	100	75	SUBSTANCES	0.79	100
76	EXAMPLE	0.53	100	76	SMALL	0.84	100	76	FOOD	0.65	100	76	LIST	0.76	100	76	MULTIPLY	0.89	100	76	OBJECT	0.79	100
77	CAME	0.53	100	77	SURFACE	0.82	100	77	SOVIET	0.64	100	77	UN (UNITED NATIONS)	0.76	100	77	EQUATIONS	0.89	100	77	EARTH	0.79	100
78	WANT	0.52	100	78	POOR	0.82	100	78	UNITED	0.64	100	78	CITY	0.76	100	78	OPPOSITE	0.88	100	78	NOTE	0.77	100
79	EYES	0.52	100	79	WOMEN	0.81	75	79	MAKE	0.64	100	79	EDUCATION	0.74	100	79	DISTANCE	0.87	100	79	SOUND	0.77	100
80	IMPORTANT	0.51	100	80	ANSWER	0.79	100	80	SOCIAL	0.64	100	80	WASTE	0.74	100	80	RATIO	0.81	100	80	ELECTRIC	0.75	100
81	LINE	0.51	100	81	GROWTH	0.79	100	81	GENERAL	0.63	100	81	COMMITTEE	0.73	100	81	SHOWN	0.80	100	81	CHANGE	0.74	100
82	PART	0.51	100	82	PHOTOGRAPHS	0.78	100	82	NORTH	0.63	100	82	REPORT	0.73	100	82	TERM	0.80	100	82	LARGE	0.74	100
83	WORD	0.51	100	83	WEATHER	0.78	100	83	MIDDLE	0.63	100	83	ISSUES	0.73	100	83	LINES	0.79	100	83	SET	0.74	100
84	POET	0.51	100	84	IMPORTANT	0.76	100	84	HELP	0.61	100	84	PUT	0.73	100	84	CYLINDER	0.78	100	84	COLOUR	0.73	100
85	HEAD	0.50	100	85	LEVEL	0.76	100	85	OWN	0.61	100	85	COUNTY	0.72	100	85	COMMON	0.77	100	85	EXAMPLE	0.73	100
86	PERSON	0.50	100	86	PLACES	0.76	100	86	INTERNATIONAL	0.61	75	86	HOME	0.70	100	86	RECTANGLE	0.77	100	86	SURFACE	0.73	100
87	THOUGHT	0.50	100	87	LONG	0.75	100	87	DIED	0.60	100	87	MONEY	0.70	100	87	TYPE	0.77	100	87	WIRE	0.73	100
88	YOUNG	0.49	100	88	LIFE	0.74	100	88	PUBLIC	0.60	100	88	NEED	0.69	100	88	PERCENTAGE	0.75	100	88	CHLORIDE	0.73	100
89	LOVE	0.49	100	89	SETTLEMENTS	0.74	100	89	UNION	0.60	100	89	SECTION	0.69	100	89	SQUARE	0.75	100	89	FOLLOWING	0.73	100
90	WORK	0.49	100	90	LIVE	0.74	100	90	BELIEVED	0.60	100	90	AGAINST	0.68	100	90	GROSS	0.74	75	90	SALT	0.73	100
91	FACE	0.49	100	91	DIFFERENT	0.73	100	91	CONTROL	0.60	100	91	LOOK	0.68	100	91	HOURS	0.73	75	91	WEIGHT	0.72	100
92	BEST	0.48	100	92	LOCATED	0.73	100	92	SMALL	0.60	100	92	PRESIDENT	0.68	100	92	PERPENDICULAR	0.73	100	92	FLASK	0.71	100
93	PICTURE	0.48	100	93	TRANSPORT	0.73	100	93	FREE	0.59	100	93	USED	0.68	100	93	VAT (VALUE ADDED TAX)	0.73	100	93	FORMED	0.71	100
94	BOOK	0.47	100	94	WINDS	0.73	75	94	LEADER	0.58	100	94	OWN	0.67	100	94	END	0.70	100	94	SCIENCE	0.71	100
95	LOOKED	0.47	100	95	ROAD	0.72	100	95	PLANTATION	0.58	100	95	SAY	0.67	100	95	INFORMATION	0.70	100	95	GIVE	0.70	100
96	ASKED	0.47	100	96	HOT	0.72	100	96	CIVIL	0.58	100	96	GO	0.67	100	96	MONEY	0.70	100	96	LIKE	0.70	100
97	END	0.47	100	97	EAST	0.71	100	97	MEDIEVAL	0.58	100	97	LAWS	0.67	100	97	IMPORTANT	0.69	100	97	WORK	0.69	100
98	HAND	0.47	100	98	OIL	0.71	100	98	GIVE	0.57	100	98	LIVE	0.67	100	98	MINUTES	0.69	100	98	RED	0.68	100
99	FATHER	0.46	100	99	BUILDINGS	0.71	100	99	FARMERS	0.57	100	99	PARLIAMENT	0.67	100	99	SURFACE	0.68	100	99	AMOUNT	0.67	100
100	MARKS	0.46	100	100	WIND	0.70	75	100	WORKERS	0.57	100	100	UNITED	0.66	100	100	TRIANGLES	0.68	100	100	CALCIUM	0.67	100

Appendix B5: The 100 most frequent content words in the six examinations-based corpora (minimum frequency 40 per million words, minimum range 60%, normalized frequency counts per mille words).

ENGLISH				GEOGRAPHY				HISTORY				CSPE				MATHEMATICS				SCIENCE			
N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %	N	Word	F ‰	R %
1	ANSWER	7.33	100	1	PAGE	11.60	100	1	ANSWER	8.15	100	1	MARKS	17.92	100	1	PAGE	13.27	90	1	NAME	14.99	100
2	PAGE	5.72	100	2	CORRECT	9.54	100	2	PICTURE	6.36	100	2	PAGE	11.71	100	2	FIND	12.94	100	2	DIAGRAM	12.77	100
3	SECTION	3.23	100	3	BOX	8.32	100	3	NAME	5.58	100	3	SECTION	8.34	100	3	CM [CENTIMETRES]	8.42	100	3	USE	7.58	100
4	THINK	3.04	100	4	MAP	7.27	100	4	PAGE	5.38	80	4	PEOPLE	8.00	100	4	BOX	6.48	80	4	GIVE	7.25	100
5	POEM	3.01	100	5	TICK	7.12	100	5	FOLLOWING	5.33	100	5	NAME	7.49	100	5	NUMBER	5.38	100	5	WATER	6.39	100
6	WRITE	2.84	100	6	ANSWER	5.92	100	6	GIVE	5.29	100	6	ANSWER	7.28	100	6	MARKS	4.54	100	6	PAGE	6.14	100
7	GIVE	2.77	100	7	POPULATION	4.70	90	7	PEOPLE	4.06	100	7	QUESTION	5.92	100	7	CALCULATE	4.47	100	7	LABELLED	5.98	100
8	LIKE	2.46	100	8	NAME	4.55	100	8	WRITE	3.91	100	8	QUESTIONS	5.32	100	8	VALUE	4.45	100	8	SECTION	5.18	100
9	QUESTIONS	2.44	100	9	PHOTOGRAPH	4.26	100	9	SOURCE	3.72	100	9	ACTION	4.00	90	9	WRITE	4.35	100	9	QUESTION	4.89	100
10	FOLLOWING	2.39	100	10	DIAGRAM	4.23	100	10	MENTION	3.45	100	10	WRITE	3.62	100	10	ANSWER	4.07	100	10	SHOWS	4.89	100
11	QUESTION	2.22	100	11	AREA	4.01	100	11	MARKS	3.43	100	11	CLASS	3.45	100	11	GRAPH	3.90	100	11	USED	4.78	100
12	PAPER	2.20	100	12	EXPLAIN	3.96	90	12	QUESTIONS	3.16	100	12	POSTER	3.32	100	12	SHOWN	3.66	100	12	ANSWER	4.41	100
13	EXPLAIN	2.17	100	13	SHOWS	3.70	100	13	ACCOUNT	2.91	100	13	CSPE	3.24	100	13	WORK	3.42	100	13	EXPERIMENT	3.99	100
14	STORY	2.12	100	14	SURVEY	3.48	100	14	WAR	2.81	100	14	DESCRIBE	2.81	100	14	POINT	3.40	100	14	EXAMINER	3.67	100
15	EXTRACT	2.05	100	15	ORDNANCE	3.45	100	15	PAPER	2.69	100	15	SCHOOL	2.81	100	15	LINE	3.25	100	15	PART	3.61	100
16	READ	1.97	100	16	DESCRIBE	3.11	100	16	EXPLAIN	2.45	100	16	RIGHTS	2.77	100	16	AREA	3.18	100	16	SHOWN	3.46	100
17	TURN	1.96	100	17	SHOWN	3.01	100	17	DOCUMENT	2.42	100	17	CAMPAIGN	2.30	90	17	TOTAL	3.08	100	17	RIGHT	3.41	100
18	DESCRIBE	1.76	100	18	QUESTIONS	2.99	100	18	REASONS	2.37	100	18	GIVE	2.30	100	18	TRIANGLE	3.06	100	18	DESCRIBE	3.12	100
19	PLAY	1.74	100	19	FOLLOWING	2.72	100	19	BOOK	2.25	100	19	COMMUNITY	2.26	80	19	DIAGRAM	2.94	100	19	ENERGY	2.96	100
20	NAME	1.62	100	20	PROVIDED	2.55	100	20	IRISH	2.25	100	20	EUROPEAN	2.26	100	20	LENGTH	2.82	100	20	FOOD	2.82	100
21	PEOPLE	1.58	100	21	SECTION	2.50	100	21	CENTURY	2.20	100	21	TAKE	2.26	100	21	PAPER	2.70	100	21	LIST	2.60	100
22	GOOD	1.53	100	22	STATEMENTS	2.45	100	22	HINTS	2.20	100	22	EXAMINATION	2.21	100	22	CORRECT	2.65	100	22	QUESTIONS	2.55	100
23	REASONS	1.49	100	23	COUNTRY	2.40	100	23	PERSON	2.20	100	23	INFORMATION	2.17	100	23	USE	2.56	100	23	LIGHT	2.39	90
24	STUDIED	1.46	100	24	PEOPLE	2.32	100	24	HISTORY	2.10	100	24	WORLD	2.09	90	24	EQUATION	2.27	100	24	TEST	2.22	100
25	SCENE	1.42	100	25	EXAMINE	2.28	100	25	EXAMINATION	2.03	100	25	HELP	2.09	100	25	SOLVE	2.20	100	25	TABLE	2.20	100
26	FOLLOW	1.38	100	26	COLUMN	2.25	100	26	LEADER	2.03	100	26	DAY	1.96	80	26	STUDENTS	2.13	90	26	FOLLOWING	2.15	100
27	LOOK	1.38	100	27	MARKS	2.23	100	27	REVOLUTION	1.88	100	27	CHILDREN	1.96	100	27	PER	2.13	100	27	WRITE	2.15	100
28	SAID	1.37	100	28	WORLD	2.15	100	28	PICTURES	1.84	100	28	EXPLAIN	1.87	90	28	COST	2.10	100	28	PLANT	2.12	100
29	SHORT	1.36	100	29	CITY	2.01	100	29	TURN	1.79	90	29	IRISH	1.87	100	29	USING	2.06	100	29	GAS	2.10	100
30	GO	1.35	100	30	LOOK	1.98	100	30	AGE	1.79	100	30	YOUNG	1.83	90	30	DRAW	1.98	100	30	NUMBER	2.04	100

31	SCHOOL	1.30	100	31	NORTH	1.96	100	31	WORK	1.79	100	31	HUMAN	1.79	90	31	GIVE	1.96	100	31	CIRCUIT	1.87	100
32	TIME	1.28	100	32	RIVER	1.96	100	32	LIFE	1.76	100	32	IMPORTANT	1.79	100	32	GIVEN	1.96	100	32	SHOW	1.87	100
33	CHOOSE	1.26	100	33	CLIMATE	1.91	100	33	NAMED	1.74	100	33	REASON	1.75	70	33	KM [KILOMETRES]	1.96	100	33	USING	1.85	100
34	SEE	1.26	100	34	FOLDER	1.88	100	34	EXTRACT	1.69	100	34	ELECTION	1.70	80	34	TAX	1.94	90	34	BOX	1.84	100
35	REFERENCE	1.25	100	35	USE	1.84	100	35	CHANGES	1.64	100	35	NUMBER	1.70	100	35	FORM	1.89	100	35	COMPLETE	1.77	100
36	MAKE	1.24	100	36	NUMBER	1.79	100	36	REASON	1.64	100	36	STUDY	1.70	100	36	EXTRA	1.87	80	36	LETTER	1.75	70
37	KNOW	1.21	100	37	SEA	1.79	100	37	DOCUMENTS	1.49	100	37	COURT	1.66	60	37	CIRCLE	1.87	100	37	CHOOSE	1.72	100
38	MARKS	1.21	100	38	AID	1.74	90	38	EVIDENCE	1.49	100	38	POLITICAL	1.66	100	38	FOLLOWING	1.84	100	38	FUNCTION	1.70	100
39	DAY	1.11	100	39	WEATHER	1.74	100	39	RENAISSANCE	1.47	100	39	THINK	1.62	90	39	SUPERINTENDENT	1.77	100	39	EQUIPMENT	1.67	80
40	WELL	1.09	100	40	PAPER	1.69	100	40	MIDDLE	1.44	100	40	BOX	1.62	100	40	HOURS	1.75	100	40	AID	1.60	80
41	PART	1.06	100	41	FEATURE	1.66	100	41	STUDY	1.44	100	41	MAKE	1.62	100	41	PART	1.72	100	41	LIQUID	1.57	100
42	CHARACTER	1.04	100	42	TOWN	1.66	100	42	WORLD	1.44	100	42	ORGANISATION	1.62	100	42	QUESTION	1.72	100	42	EFFECT	1.52	100
43	JUST	1.04	100	43	TYPE	1.66	100	43	AGES	1.37	100	43	ACTIONS	1.53	90	43	NEAREST	1.70	100	43	STATE	1.50	100
44	SECTIONS	1.04	100	44	LABELLED	1.64	70	44	COUNTRY	1.32	100	44	LOCAL	1.53	90	44	TABLE	1.60	100	44	TYPE	1.47	100
45	NOVEL	1.03	100	45	LAND	1.64	90	45	TIME	1.22	100	45	GROUP	1.49	60	45	VOLUME	1.58	100	45	AIR	1.45	100
46	LIFE	0.98	100	46	SOUTH	1.64	100	46	MEDIEVAL	1.20	100	46	PRINTED	1.49	90	46	SUPPORTING	1.55	80	46	REASON	1.45	100
47	WRITING	0.98	100	47	AERIAL	1.62	90	47	TERMS	1.20	100	47	SEPARATE	1.49	100	47	CALCULATOR	1.53	90	47	CARBON	1.42	100
48	MAN	0.97	100	48	RAINFALL	1.62	100	48	THINK	1.17	100	48	TOTAL	1.49	100	48	YEAR	1.48	100	48	METALS	1.40	100
49	MOTHER	0.96	100	49	STUDY	1.62	100	49	IMPORTANT	1.15	100	49	USE	1.49	100	49	EXPRESS	1.46	100	49	HAPPENS	1.30	90
50	READING	0.95	100	50	GEOGRAPHY	1.57	100	50	STATE	1.10	90	50	READ	1.45	90	50	ANGLE	1.43	100	50	HEAT	1.30	100
51	CAREFULLY	0.93	100	51	REASONS	1.52	90	51	EARLY	1.08	100	51	TOP	1.45	90	51	MATHEMATICS	1.43	100	51	CHEMICAL	1.29	100
52	TEXT	0.93	100	52	URBAN	1.49	100	52	LEVEL	1.08	100	52	MARK	1.45	100	52	HEIGHT	1.41	100	52	DIOXIDE	1.29	100
53	BOY	0.92	100	53	CALLED	1.47	100	53	PLANTATION	1.08	100	53	YEAR	1.40	80	53	DECIMAL	1.39	100	53	PROVIDED	1.29	100
54	MADE	0.92	100	54	EXAMINATION	1.47	100	54	BRITISH	1.03	90	54	STUDIED	1.40	90	54	QUESTIONS	1.39	100	54	CURRENT	1.27	100
55	POET	0.92	100	55	SOIL	1.47	100	55	CHANGE	1.03	100	55	WORK	1.40	90	55	AXIS	1.34	100	55	ACID	1.25	90
56	FIND	0.90	100	56	RETURN	1.44	100	56	SELECT	1.03	100	56	DEVELOPMENT	1.36	70	56	CENTRE	1.34	100	56	PIECE	1.24	90
57	WORLD	0.89	100	57	WATER	1.39	100	57	DESCRIBED	1.00	100	57	WAY	1.36	80	57	LEVEL	1.34	100	57	SCIENCE	1.22	100
58	OLD	0.87	100	58	FORMED	1.37	100	58	NUMBER	1.00	100	58	DECIDED	1.28	80	58	RADIUS	1.34	100	58	PLANTS	1.20	100
59	GOING	0.86	100	59	COUNTRIES	1.35	90	59	SHOWS	1.00	100	59	FOLLOWING	1.28	100	59	OBTAINED	1.32	100	59	BLOOD	1.19	90
60	VE [i.e. 've]	0.86	100	60	ROCK	1.35	100	60	TAKEN	1.00	100	60	PLEASE	1.28	100	60	OTHERWISE	1.32	100	60	EXAMINATION	1.19	100
61	COME	0.85	100	61	SKETCH	1.35	100	61	ACCOMPANY	0.98	100	61	PARTY	1.23	60	61	TIME	1.29	90	61	SYSTEM	1.19	100
62	HOME	0.84	100	62	SUPPLIED	1.35	100	62	POLITICAL	0.98	100	62	PUT	1.23	90	62	SPACE	1.27	90	62	MADE	1.15	90
63	ADVERTISEMENT	0.82	100	63	DEVELOPING	1.32	100	63	WRITER	0.93	90	63	PAPER	1.23	100	63	CERTIFICATE	1.27	100	63	MAKE	1.15	100
64	SAY	0.82	100	64	USING	1.32	100	64	CERTIFICATE	0.93	100	64	TICK	1.23	100	64	JUNE	1.27	100	64	PARTS	1.15	100
65	WAY	0.81	100	65	FEATURES	1.30	100	65	PERIOD	0.93	100	65	STUDENTS	1.19	90	65	EXAMINATION	1.24	100	65	METAL	1.14	100
66	EXAMINATION	0.80	100	66	BLANK	1.27	80	66	RELATIONS	0.93	100	66	NUMBERED	1.19	100	66	JUNIOR	1.24	100	66	EARTH	1.12	100
67	SUPPORT	0.80	100	67	IRISH	1.25	100	67	GOVERNMENT	0.91	100	67	PROJECT	1.15	60	67	RATE	1.22	100	67	EXPLAIN	1.12	100
68	USE	0.80	100	68	PAIR	1.25	100	68	INDEPENDENCE	0.91	100	68	STATE	1.15	90	68	ATTEMPT	1.20	100	68	HUMAN	1.12	100
69	PLACE	0.79	100	69	CIRCLE	1.22	100	69	JUNIOR	0.91	100	69	VOTE	1.15	90	69	SHOW	1.20	100	69	TOTAL	1.10	100
70	WANT	0.78	90	70	WEST	1.22	100	70	INDUSTRIAL	0.88	100	70	CARRIES	1.15	100	70	EXAMINER	1.15	80	70	BODY	1.09	100

71	ADAPTED	0.77	100	71	SOURCE	1.15	80	71	MAJOR	0.88	100	71	TYPE	1.11	70	71	STATE	1.15	80	71	TUBE	1.07	80
72	TELL	0.77	100	72	LOCATION	1.15	90	72	WOMEN	0.88	100	72	ARTICLE	1.11	90	72	MORNING	1.15	100	72	LABORATORY	1.07	100
73	AWAY	0.73	100	73	EAST	1.13	100	73	MAIN	0.86	80	73	PART	1.11	90	73	SET	1.15	100	73	GIVEN	1.05	100
74	LET	0.73	100	74	ECONOMIC	1.10	100	74	MEN	0.86	90	74	ANSWERING	1.11	100	74	REASON	1.12	100	74	MEASURE	1.02	100
75	OWN	0.73	100	75	JUNE	1.10	100	75	CIVILISATION	0.86	100	75	ASK	1.11	100	75	COMPLETE	1.10	100	75	TEMPERATURE	1.02	100
76	NEW	0.71	100	76	TEMPERATURE	1.08	90	76	MADE	0.83	100	76	SET	1.11	100	76	INFORMATION	1.10	100	76	APPARATUS	1.00	100
77	WORDS	0.70	100	77	ACTIVITIES	1.08	100	77	USE	0.83	100	77	EDUCATION	1.06	100	77	FULL	1.08	90	77	FOUND	1.00	100
78	MR	0.69	90	78	DEVELOPED	1.08	100	78	USED	0.83	100	78	INCLUDE	1.06	100	78	DIAMETER	1.08	100	78	COMPARE	0.99	80
79	NIGHT	0.69	100	79	STATE	1.08	100	79	COMMISSION	0.81	80	79	VOTING	1.02	60	79	END	1.08	100	79	DRAW	0.97	90
80	PERSON	0.69	100	80	IDENTIFY	1.05	100	80	CONDITIONS	0.81	100	80	ISSUE	1.02	70	80	NUMBERS	1.08	100	80	OXYGEN	0.95	100
81	DRAMA	0.68	100	81	EARTH	1.03	90	81	MONASTERY	0.81	100	81	INCLUDED	1.02	80	81	ANSWERS	1.05	90	81	SUBSTANCE	0.95	100
82	FATHER	0.68	100	82	LOST	1.03	100	82	PIECE	0.81	100	82	DIFFERENT	1.02	90	82	ESTIMATE	1.05	100	82	WAY	0.95	100
83	FORM	0.68	100	83	MATCH	1.03	100	83	SUPPORT	0.78	80	83	END	1.02	100	83	CYLINDER	1.03	90	83	WORD	0.92	90
84	BECAUSE	0.66	100	84	SETTLEMENT	1.03	100	84	EVENTS	0.78	90	84	REASONS	0.98	100	84	CONSTRUCT	1.03	100	84	PRODUCED	0.92	100
85	MORNING	0.66	100	85	EROSION	1.00	90	85	EXPLORATION	0.78	100	85	SLOGAN	0.98	100	85	SPEED	1.03	100	85	CELL	0.90	80
86	PASSAGE	0.66	100	86	SHOW	1.00	90	86	INTERNATIONAL	0.78	100	86	BLANK	0.94	60	86	USED	1.03	100	86	DEVICE	0.90	80
87	RIGHT	0.66	100	87	USED	1.00	90	87	TOWN	0.78	100	87	BOOK	0.94	70	87	PEOPLE	1.00	70	87	UNIT	0.90	90
88	ASKED	0.65	100	88	LEVEL	1.00	100	88	EXAMINATIONS	0.76	80	88	INVOLVED	0.94	80	88	REPRESENT	1.00	90	88	EXTRA	0.90	100
89	ENGLISH	0.65	100	89	TRUE	1.00	100	89	EUROPEAN	0.76	100	89	ORGANISE	0.94	80	89	ELEMENTS	1.00	100	89	SENTENCES	0.88	70
90	HOUSE	0.65	100	90	OTHERWISE	0.98	100	90	PLACE	0.76	100	90	ENCOURAGE	0.94	90	90	MEAN	1.00	100	90	COLOUR	0.87	90
91	BOOK	0.64	90	91	GRID	0.95	90	91	MAN	0.73	80	91	ACTIVITY	0.89	60	91	MEASURE	1.00	100	91	COPPER	0.87	90
92	BEST	0.64	100	92	EXAMPLE	0.95	100	92	ANCIENT	0.73	100	92	ORDER	0.89	60	92	SYMBOL	0.98	80	92	NAMED	0.87	100
93	LITTLE	0.63	100	93	FOUND	0.95	100	93	PART	0.71	70	93	ENVIRONMENT	0.89	80	93	VALUES	0.98	100	93	EXAMPLE	0.85	100
94	YEAR	0.63	100	94	INDUSTRY	0.95	100	94	GREAT	0.71	90	94	ORGANISATIONS	0.89	80	94	CARRIES	0.96	80	94	PAPER	0.85	100
95	TAKE	0.62	100	95	DRAW	0.93	90	95	WORKING	0.71	90	95	PROVIDED	0.89	100	95	COMMISSION	0.96	80	95	SOLUTION	0.83	80
96	MRS	0.61	80	96	TABLE	0.93	90	96	HELP	0.71	100	96	CORRECT	0.85	70	96	EXAMINATIONS	0.96	80	96	GRAPH	0.83	90
97	YEARS	0.59	90	97	AREAS	0.93	100	97	REFORMER	0.71	100	97	OPPOSITE	0.85	80	97	INDICATES	0.96	80	97	SOLID	0.83	90
98	FILM	0.59	100	98	CERTIFICATE	0.93	100	98	STONE	0.71	100	98	PERSON	0.85	80	98	OBTAIN	0.96	80	98	TIMBER	0.82	60
99	YOUNG	0.57	100	99	JUNIOR	0.93	100	99	FAMINE	0.69	80	99	RIGHT	0.81	70	99	AMOUNT	0.96	100	99	CHANGE	0.82	80
100	LIVE	0.56	90	100	PERCENTAGE	0.93	100	100	REFORMATION	0.69	100	100	DESIGN	0.81	80	100	MINUTES	0.96	100	100	FORCE	0.82	80

APPENDIX C: Collocational analysis of the twelve subject-specific corpora using the Log likelihood ratio (G^2) (five-word collocational span)

Appendix C1: The top 20 collocates of the 15 most frequent content words in the six textbooks corpora ranked by descending order of significance based on G^2 scores.

The top 20 collocates of the 15 most frequent content words in the English textbooks corpus

1. The top 20 collocates of *story* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	story	5026.307	937	744	193	77	104	18	46	499	0	12	70	39	34	38
2	A	story	2170.898	461	310	151	27	53	8	73	149	0	14	60	27	32	18
3	OF	story	1079.261	283	178	105	22	13	23	116	4	0	52	3	9	16	25
4	IN	story	979.7755	248	166	82	12	7	20	127	0	0	37	10	11	14	10
5	IS	story	826.1258	197	74	123	23	12	18	21	0	0	76	15	11	7	14
6	THIS	story	649.0198	136	113	23	14	10	9	7	73	0	3	11	4	3	2
7	TO	story	579.5366	195	105	90	11	26	52	16	0	0	24	22	13	18	13
8	SHORT	story	498.2461	67	65	2	1	2	0	0	62	0	0	1	1	0	0
9	YOU	story	491.191	141	57	84	12	17	23	4	1	0	26	23	11	14	10
10	AND	story	467.5277	180	72	108	25	14	25	3	5	0	40	7	17	23	21
11	TELLS	story	348.8983	43	38	5	0	2	7	29	0	0	1	1	1	2	0
12	OR	story	317.8375	78	46	32	9	5	8	21	3	0	13	1	4	5	9
13	TELL	story	291.0583	43	39	4	0	1	8	30	0	0	0	2	1	1	0
14	ABOUT	story	287.5211	70	27	43	13	2	1	11	0	0	21	8	9	2	3
15	WRITE	story	271.9633	56	38	18	8	1	7	22	0	0	6	7	1	1	3
16	SET	story	258.2832	37	7	30	0	1	0	6	0	0	7	18	3	2	0
17	FROM	story	214.6944	57	37	20	7	0	3	27	0	0	6	3	3	4	4
18	NOVEL	story	212.8502	26	24	2	0	3	18	3	0	0	0	2	0	0	0
19	THAT	story	184.5279	66	32	34	9	11	6	6	0	0	19	4	4	4	3
20	READ	story	183.5149	37	21	16	0	3	7	11	0	0	1	4	6	4	1

2. The top 20 collocates of *like* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	like	1382.229	341	87	254	16	18	19	34	0	0	173	6	22	30	23
2	THE	like	875.6572	351	141	210	25	43	42	31	0	0	93	17	26	40	34
3	YOU	like	689.4713	173	135	38	7	11	8	23	86	0	14	4	10	7	3
4	TO	like	599.5803	196	68	128	16	8	21	18	5	0	78	6	13	15	16
5	I	like	521.1182	138	107	31	9	10	7	53	28	0	8	6	5	10	2
6	AND	like	513.8328	187	95	92	17	24	25	25	4	0	11	27	23	17	14
7	WHAT	like	481.0777	106	98	8	11	38	38	11	0	0	4	2	1	0	1
8	WOULD	like	465.5438	83	78	5	3	6	2	32	35	0	0	1	2	2	0
9	THAT	like	449.4501	114	46	68	10	10	7	18	1	0	39	3	14	7	5
10	IT	like	402.9186	112	64	48	6	4	15	33	6	0	14	8	8	12	6
11	OF	like	319.6733	135	54	81	16	19	11	8	0	0	0	8	40	17	16
12	IS	like	308.092	104	75	29	9	10	14	8	34	0	2	1	8	7	11
13	THIS	like	272.009	75	20	55	0	5	7	8	0	0	36	3	8	6	2
14	OR	like	269.3239	69	16	53	2	4	4	4	2	0	27	3	4	12	7
15	IN	like	265.7513	111	34	77	10	13	8	3	0	0	3	14	27	17	16
16	WAS	like	249.0081	78	60	18	7	4	9	15	25	0	2	1	3	4	8
17	JUST	like	193.2885	37	32	5	1	0	0	1	30	0	0	1	2	2	0
18	DO	like	163.6786	42	34	8	4	4	3	23	0	0	0	4	2	2	0
19	DISLIKE	like	156.5268	15	0	15	0	0	0	0	0	0	0	13	1	0	1
20	BE	like	143.3013	45	30	15	5	9	2	4	10	0	0	10	1	3	1

3. The top 20 collocates of *write* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	write	1938.67	406	56	350	14	12	15	8	7	0	253	17	11	47	22
2	THE	write	1156.092	387	73	314	18	15	29	9	2	0	87	81	19	72	55
3	YOU	write	943.9694	205	128	77	28	22	10	26	42	0	1	5	16	29	55
4	TO	write	927.4904	245	165	80	10	7	8	0	140	0	13	11	30	14	12
5	ABOUT	write	768.0427	133	9	124	2	3	2	2	0	0	84	3	20	13	4
6	YOUR	write	614.9353	117	27	90	2	8	13	4	0	0	47	9	4	14	16
7	PARAGRAPH	write	464.2039	55	3	52	0	0	0	2	1	0	0	36	14	2	0
8	OF	write	453.5827	157	33	124	8	10	14	1	0	0	0	8	53	38	25
9	OUT	write	415.08	76	4	72	1	3	0	0	0	0	71	0	0	1	0
10	FOR	write	304.4046	82	10	72	1	6	3	0	0	0	5	2	31	22	12
11	IN	write	299.2642	113	32	81	4	17	8	3	0	0	10	10	22	24	15
12	WORDS	write	288.5607	52	6	46	1	1	1	1	2	0	1	4	19	8	14
13	LETTER	write	287.7741	36	4	32	0	0	3	0	1	0	0	29	2	0	1
14	AND	write	286.4027	128	84	44	8	8	10	10	48	0	5	5	8	17	9
15	STORY	write	271.9633	56	18	38	3	1	1	7	6	0	0	22	7	1	8
16	DOWN	write	254.2746	45	2	43	0	1	0	1	0	0	38	5	0	0	0
17	ARTICLE	write	252.0126	31	4	27	0	0	0	1	3	0	0	11	14	2	0
18	AN	write	234.5941	53	3	50	1	2	0	0	0	0	32	5	1	8	4
19	TWO	write	226.043	45	5	40	0	3	2	0	0	0	16	10	9	3	2
20	SENTENCES	write	204.1801	28	3	25	0	1	0	1	1	0	0	6	8	7	4

4. The top 20 collocates of *said* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	HE	said	1114.226	205	172	33	1	3	1	4	163	0	12	12	4	3	2
2	SHE	said	704.2511	129	107	22	2	2	1	3	99	0	7	4	4	3	4
3	I	said	502.0257	127	80	47	6	10	10	5	49	0	20	10	8	7	2
4	THE	said	413.9962	220	85	135	13	25	23	23	1	0	40	30	23	20	22
5	TO	said	282.1539	118	49	69	13	14	15	6	1	0	25	9	13	14	8
6	MOTHER	said	281.7906	43	27	16	1	2	2	4	18	0	3	12	1	0	0
7	YOU	said	275.0706	91	57	34	12	12	12	12	9	0	7	7	8	6	6
8	A	said	253.8574	117	53	64	12	18	16	7	0	0	5	22	13	14	10
9	MY	said	241.8473	52	32	20	2	0	8	22	0	0	9	1	4	4	2
10	AND	said	237.912	113	61	52	8	8	9	10	26	0	18	8	9	8	9
11	IT	said	235.3676	75	35	40	4	3	7	13	8	0	15	11	4	6	4
12	WAS	said	185.7171	61	26	35	10	4	4	2	6	0	4	15	7	4	5
13	THAT	said	185.3457	61	26	35	6	3	4	8	5	0	21	4	4	3	3
14	YES	said	162.2317	23	20	3	0	0	1	11	8	0	3	0	0	0	0
15	UNCLE	said	156.7795	20	7	13	0	0	2	5	0	0	11	1	0	1	0
16	ME	said	153.8301	35	17	18	2	5	5	5	0	0	0	7	1	7	3
17	FATHER	said	137.8971	22	10	12	0	0	0	0	10	0	2	9	0	0	1
18	IN	said	134.4173	71	29	42	2	11	11	4	1	0	19	6	6	5	6
19	AS	said	129.0531	42	13	29	0	4	2	7	0	0	14	4	6	5	0
20	MR	said	119.8918	22	12	10	1	1	2	8	0	0	8	1	0	1	0

5. The top 20 collocates of *think* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOU	think	2979.292	437	385	52	7	3	4	26	345	0	17	6	9	12	8
2	DO	think	1905.979	233	228	5	0	0	3	225	0	0	0	1	2	0	2
3	I	think	1198.007	224	195	29	4	4	11	34	142	0	15	6	3	2	3
4	THE	think	1039.411	346	92	254	31	40	17	4	0	0	66	98	34	29	27
5	IS	think	621.8492	149	10	139	5	3	2	0	0	0	29	54	40	11	5
6	ABOUT	think	601.7451	108	1	107	0	1	0	0	0	0	91	5	5	3	3
7	WHAT	think	554.3253	109	87	22	3	10	64	10	0	0	8	11	0	0	3
8	OF	think	549.6801	168	39	129	13	20	6	0	0	0	77	2	13	17	20
9	THAT	think	366.2196	92	33	59	1	0	3	29	0	0	41	2	4	9	3
10	TO	think	351.6512	130	54	76	9	5	4	2	34	0	1	4	20	33	18
11	WOULD	think	346.9962	63	11	52	3	0	0	1	7	0	16	20	6	8	2
12	IT	think	287.6413	83	14	69	2	4	6	2	0	0	31	15	9	9	5
13	BEST	think	265.7753	36	1	35	0	1	0	0	0	0	10	2	19	4	0
14	THIS	think	264.9523	68	11	57	4	3	2	2	0	0	36	11	0	4	6
15	WHY	think	246.5107	39	36	3	0	3	21	12	0	0	0	3	0	0	0
16	THEY	think	227.2097	55	23	32	1	5	3	4	10	0	16	5	6	1	4
17	WHICH	think	212.6643	43	36	7	2	11	6	17	0	0	0	1	0	3	3
18	A	think	211.7343	103	29	74	11	9	6	2	1	0	8	18	21	13	14
19	AND	think	192.6138	98	59	39	10	20	11	5	13	0	8	3	10	10	8
20	BE	think	147.0645	42	7	35	1	0	5	1	0	0	0	9	12	7	7

6. The top 20 collocates of *answer* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	answer	2275.381	530	188	342	54	55	6	6	67	0	148	31	89	46	28
2	QUESTIONS	answer	2197.924	215	1	214	0	1	0	0	0	0	9	114	17	13	61
3	YOUR	answer	1810.834	247	243	4	3	1	1	1	237	0	1	1	0	2	0
4	FOLLOWING	answer	1061.888	122	41	81	2	32	4	0	3	0	0	10	8	61	2
5	REASONS	answer	1039.226	99	96	3	1	0	95	0	0	0	0	1	1	0	1
6	FOLLOW	answer	1036.06	97	1	96	0	0	0	1	0	0	0	1	0	86	9
7	GIVE	answer	888.3268	110	108	2	20	87	0	1	0	0	0	0	1	0	1
8	FOR	answer	619.846	126	122	4	1	1	1	118	1	0	0	0	2	1	1
9	THAT	answer	586.6232	125	5	120	1	1	0	2	1	0	17	2	86	8	7
10	THEN	answer	583.8016	87	87	0	0	1	1	0	85	0	0	0	0	0	0
11	AND	answer	466.2466	158	129	29	4	5	3	84	33	0	9	1	4	11	4
12	A	answer	378.8708	140	77	63	9	28	21	10	9	0	6	20	13	14	10
13	TWO	answer	372.2231	62	8	54	1	7	0	0	0	0	38	8	1	2	5
14	THIS	answer	369.1432	84	69	15	15	10	6	9	29	0	8	3	2	1	1
15	QUESTION	answer	365.8859	50	6	44	3	0	0	3	0	0	7	10	9	13	5
16	SAMPLE	answer	356.7924	35	32	3	0	0	1	0	31	0	1	0	1	0	1
17	TO	answer	346.1386	127	71	56	7	11	18	2	33	0	17	5	17	12	5
18	OF	answer	332.9546	123	30	93	8	6	2	13	1	0	0	66	10	9	8
19	READ	answer	269.2208	45	43	2	31	6	6	0	0	0	1	0	1	0	0
20	SUPPORT	answer	245.7012	28	27	1	0	0	4	23	0	0	0	1	0	0	0

7. The top 20 collocates of *poem* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	poem	1053.885	260	164	96	16	15	12	23	98	0	7	39	20	12	18
2	IN	poem	1009.224	227	187	40	11	3	11	160	2	0	16	5	7	5	7
3	THE	poem		759	599	160	54	94	6	46	399	0	11	34	29	47	39
4	THIS	poem	678.1894	128	117	11	3	6	5	3	100	0	1	3	5	2	0
5	OF	poem	646.7272	183	125	58	14	5	6	97	3	0	4	2	9	16	27
6	IS	poem	640.2676	150	62	88	12	20	13	17	0	0	49	7	7	13	12
7	READ	poem	422.9092	63	54	9	1	2	26	25	0	0	1	4	1	3	0
8	YOU	poem	352.2288	102	44	58	13	18	13	0	0	0	13	19	8	12	6
9	AND	poem	306.9815	124	30	94	8	10	8	4	0	0	55	5	10	10	14
10	OR	poem	213.4932	54	33	21	5	16	9	0	3	0	7	3	5	3	3
11	TO	poem	191.0852	91	47	44	11	8	11	17	0	0	10	12	6	10	6
12	ABOUT	poem	190.4275	48	20	28	5	2	0	13	0	0	10	9	4	5	0
13	QUESTIONS	poem	189.4498	33	5	28	0	3	2	0	0	0	0	1	0	2	25
14	FROM	poem	187.6902	47	38	9	1	0	4	33	0	0	3	3	1	0	2
15	ANSWER	poem	168.8428	35	8	27	2	2	1	3	0	0	0	3	24	0	0
16	WITH	poem	160.4624	47	11	36	2	3	2	4	0	0	9	10	9	3	5
17	CAREFULLY	poem	155.4962	22	21	1	1	18	2	0	0	0	1	0	0	0	0
18	FOLLOWING	poem	152.1374	28	28	0	0	1	1	3	23	0	0	0	0	0	0
19	THAT	poem	142.8155	50	9	41	6	0	0	2	1	0	28	1	8	2	2
20	LINE	poem	137.6707	22	18	4	1	0	15	0	2	0	0	0	0	3	1

8. The top 20 collocates of *words* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4
1	THE	words	2135.206	487	303	184	26	32	39	69	137	0	9	76	23	48
2	IN	words	685.7266	170	58	112	7	5	29	14	3	0	66	11	15	13
3	PHRASES	words	581.5251	56	2	54	1	1	0	0	0	0	0	48	5	1
4	OF	words	539.3891	157	124	33	10	6	27	40	41	0	16	0	5	3
5	AND	words	508.2426	159	56	103	9	15	14	13	5	0	54	7	17	11
6	ARE	words	402.1896	83	25	58	2	5	7	8	3	0	25	10	8	12
7	THAT	words	319.209	80	11	69	6	1	0	4	0	0	37	0	13	11
8	YOU	words	318.4664	92	21	71	4	10	5	1	1	0	11	24	10	15
9	TO	words	316.2521	115	38	77	10	6	8	13	1	0	30	6	18	15
10	USING	words	303.1304	37	33	4	3	4	4	14	8	0	2	0	1	0
11	WHICH	words	300.7065	53	20	33	4	6	0	1	9	0	19	3	1	7
12	WRITE	words	288.5607	52	46	6	14	8	19	4	1	0	2	1	1	1
13	A	words	287.4647	114	61	53	21	18	13	7	2	0	2	19	14	9
14	OR	words	275.7715	62	16	46	2	6	5	3	0	0	30	9	1	4
15	USE	words	255.4975	41	30	11	1	9	6	8	6	0	0	0	5	4
16	KEY	words	232.5221	27	26	1	0	0	1	3	22	0	0	1	0	0
17	THESE	words	229.6246	36	35	1	3	0	3	9	20	0	0	1	0	0
18	FOLLOWING	words	222.2277	36	27	9	2	4	3	0	18	0	0	0	0	6
19	WITH	words	204.6117	53	31	22	4	2	5	7	13	0	10	4	4	2
20	YOUR	words	201.7202	50	36	14	5	8	1	19	3	0	0	8	1	0

9. The top 20 collocates of *people* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	people	976.7387	302	196	106	31	29	22	37	77	0	1	41	19	19	26
2	TO	people	612.5176	166	61	105	8	11	13	18	11	0	21	21	29	21	13
3	OF	people	584.9263	160	125	35	9	14	19	42	41	0	10	7	5	7	6
4	AND	people	509.0089	154	70	84	9	18	13	17	13	0	22	13	13	24	12
5	IN	people	507.0571	136	32	104	9	10	10	2	1	0	47	20	16	14	7
6	ARE	people	367.3172	76	22	54	3	3	8	6	2	0	34	9	3	5	3
7	WHO	people	329.7265	56	5	51	1	1	1	2	0	0	43	1	2	3	2
8	YOUNG	people	300.68	38	37	1	0	0	0	0	37	0	0	0	0	1	0
9	A	people	247.2867	101	52	49	14	15	20	3	0	0	2	10	16	10	11
10	MANY	people	193.4583	29	28	1	0	1	1	6	20	0	0	1	0	0	0
11	ABOUT	people	177.3949	43	30	13	2	2	6	12	8	0	1	1	3	3	5
12	HOW	people	170.93	36	31	5	4	2	3	13	9	0	0	1	0	2	2
13	OR	people	155.1351	41	13	28	1	1	3	3	5	0	10	3	9	3	3
14	THAT	people	150.7902	48	31	17	2	6	7	7	9	0	2	2	2	3	8
15	THEY	people	146.1974	38	12	26	4	2	4	2	0	0	2	5	5	8	6
16	FOR	people	144.6083	45	23	22	4	3	2	7	7	0	3	3	7	1	8
17	AS	people	141.6812	40	19	21	4	3	5	5	2	0	5	3	3	6	4
18	BE	people	136.815	37	18	19	4	9	1	4	0	0	0	9	1	3	6
19	WOULD	people	133.4664	30	8	22	3	3	1	1	0	0	10	5	0	6	1
20	MOST	people	132.8362	22	21	1	1	2	3	1	14	0	1	0	0	0	0

10. The top 20 collocates of *time* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	time	1481.44	381	246	135	29	18	16	67	116	0	12	41	26	33	23
2	AND	time	500.2421	152	68	84	19	19	17	8	5	0	41	9	15	7	12
3	AT	time	446.8785	85	76	9	4	3	22	47	0	0	3	3	2	0	1
4	A	time	436.4012	140	90	50	11	9	13	37	20	0	4	12	20	7	7
5	OF	time	393.1182	125	64	61	4	5	8	25	22	0	33	2	5	10	11
6	TO	time	377.1428	123	30	93	10	6	7	6	1	0	50	6	18	12	7
7	FOR	time	331.0208	77	52	25	2	7	32	9	2	0	17	4	2	0	2
8	IN	time	290.0923	96	55	41	4	10	4	21	16	0	12	7	10	6	6
9	WAS	time	279.3728	71	31	40	4	10	9	5	3	0	4	17	10	4	5
10	IT	time	262.7621	72	31	41	6	9	8	6	2	0	11	12	13	3	2
11	FIRST	time	250.7577	39	35	4	1	0	1	2	31	0	0	0	1	2	1
12	IS	time	248.3203	76	36	40	8	9	10	7	2	0	20	8	4	3	5
13	ALL	time	234.4462	47	41	6	2	3	2	25	9	0	0	1	3	2	0
14	THAT	time	226.6454	62	38	24	8	2	8	2	18	0	7	4	7	2	4
15	THIS	time	187.4581	50	45	5	3	6	4	1	31	0	1	1	1	1	1
16	BY	time	180.509	40	25	15	1	0	0	22	2	0	3	2	2	4	4
17	HE	time	170.3942	53	16	37	5	5	6	0	0	0	21	6	5	3	2
18	LONG	time	148.6984	23	19	4	0	0	1	0	18	0	0	2	2	0	0
19	PLACE	time	143.7889	23	9	14	1	1	3	3	1	0	1	10	1	1	1
20	I	time	130.483	49	18	31	6	6	4	2	0	0	17	5	1	3	5

11. The top 20 collocates of *make* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	make	1210.697	252	196	56	11	6	6	4	169	0	3	5	20	17	11
2	THE	make	806.757	265	126	139	27	44	39	12	4	0	51	8	18	39	23
3	YOU	make	608.9476	134	92	42	13	10	8	24	37	0	21	6	5	2	8
4	AND	make	572.3899	162	94	68	9	6	19	14	46	0	2	12	13	20	21
5	A	make	566.6646	161	30	131	7	13	9	0	1	0	90	13	10	10	8
6	UP	make	464.1144	74	6	68	1	4	1	0	0	0	62	4	1	1	0
7	OF	make	373.9573	119	32	87	6	12	11	2	1	0	2	20	35	23	7
8	SURE	make	313.8335	32	0	32	0	0	0	0	0	0	32	0	0	0	0
9	IT	make	275.5074	73	23	50	2	1	3	9	8	0	29	3	4	6	8
10	THAT	make	226.843	61	28	33	2	4	7	3	12	0	3	12	9	4	5
11	POINTS	make	161.0954	22	17	5	2	0	0	15	0	0	1	1	0	2	1
12	FOR	make	149.3381	45	14	31	2	10	2	0	0	0	3	6	7	5	10
13	CAN	make	142.975	29	28	1	0	2	0	3	23	0	0	0	0	1	0
14	OR	make	142.1592	38	15	23	0	3	5	1	6	0	0	9	6	4	4
15	US	make	138.5963	25	5	20	1	1	1	1	1	0	15	0	2	2	1
16	COSTUME	make	134.7417	14	11	3	2	3	3	3	0	0	0	0	0	1	2
17	ABOUT	make	133.876	35	7	28	2	1	1	2	1	0	3	1	17	2	5
18	THEY	make	132.7283	35	28	7	2	2	5	10	9	0	0	2	2	2	1
19	THIS	make	130.9059	39	16	23	5	6	1	4	0	0	8	2	4	6	3
20	HOW	make	115.5586	27	22	5	2	9	7	4	0	0	1	0	2	1	1

12. The top 20 collocates of *read* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	read	1326.598	340	80	260	25	32	18	5	0	0	147	47	17	22	27
2	YOU	read	892.0615	170	145	25	7	5	18	38	77	0	0	3	10	4	8
3	AND	read	861.8395	204	43	161	6	4	11	10	12	0	29	9	36	61	26
4	CAREFULLY	read	668.6727	65	53	12	0	0	0	0	53	0	1	1	7	2	1
5	TO	read	543.376	147	105	42	9	7	0	10	79	0	5	9	10	5	13
6	FOLLOWING	read	472.7704	61	2	59	0	0	1	1	0	0	0	52	6	0	1
7	THEN	read	447.2529	66	5	61	0	1	0	1	3	0	0	1	0	22	38
8	POEM	read	422.9092	63	9	54	0	3	1	4	1	0	0	25	26	2	1
9	ALOUD	read	375.3868	32	0	32	0	0	0	0	0	0	7	13	9	2	1
10	EXTRACT	read	296.5067	22	0	22	0	0	0	0	0	0	0	9	13	0	0
11	ANSWER	read	269.2208	45	2	43	0	0	1	0	1	0	0	0	6	6	31
12	HAVE	read	235.4268	49	44	5	1	1	1	13	28	0	0	0	0	4	1
13	THROUGH	read	232.1045	34	1	33	0	1	0	0	0	0	28	2	0	3	0
14	PASSAGE	read	230.3706	28	7	21	0	0	1	6	0	0	0	11	10	0	0
15	AS	read	211.5989	50	37	13	3	1	2	31	0	0	3	3	2	5	0
16	IT	read	205.7519	59	11	48	3	0	2	4	2	0	38	1	4	3	2
17	IN	read	202.9647	74	26	48	13	5	7	1	0	0	16	9	7	10	6
18	STORY	read	183.5149	37	16	21	1	4	6	4	1	0	0	11	7	3	0
19	THIS	read	181.4402	47	11	36	5	3	2	1	0	0	22	7	4	2	1
20	WHEN	read	131.4689	30	25	5	0	1	6	17	1	0	0	0	1	2	2

13. The top 20 collocates of *good* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	good	1380.364	274	226	48	6	14	9	23	174	0	4	15	11	9	9
2	IS	good	637.6764	134	109	25	3	9	28	53	16	0	0	10	12	1	2
3	THIS	good	310.0689	67	52	15	6	23	22	1	0	0	0	2	5	3	5
4	AND	good	305.263	107	52	55	18	10	9	11	4	0	9	20	6	9	11
5	THAT	good	292.9981	70	48	22	13	10	7	2	16	0	1	9	5	5	2
6	TO	good	263.8251	94	28	66	4	4	12	7	1	0	10	29	7	10	10
7	OF	good	258.3904	92	27	65	6	5	3	7	6	0	0	46	4	8	7
8	THE	good	256.9892	139	70	69	17	18	18	6	11	0	0	5	25	19	20
9	VERY	good	233.9547	40	38	2	0	0	0	0	38	0	0	0	1	0	1
10	FOR	good	185.334	50	11	39	1	0	1	2	7	0	13	16	4	4	2
11	NOT	good	155.3088	34	24	10	14	2	1	6	1	0	0	3	2	1	4
12	GENTLE	good	151.3476	16	14	2	0	0	14	0	0	0	0	0	0	1	1
13	MORNING	good	139.2993	19	3	16	0	0	0	0	3	0	12	0	3	1	0
14	THINK	good	132.4604	27	23	4	8	10	3	2	0	0	0	1	1	1	1
15	IT	good	130.2031	44	34	10	1	7	15	9	2	0	3	1	1	1	4
16	BE	good	129.8393	34	27	7	4	1	5	12	5	0	0	1	5	1	0
17	YOU	good	126.8253	48	31	17	11	6	11	2	1	0	0	4	10	3	0
18	ANSWER	good	120.4412	25	11	14	2	1	7	1	0	0	8	1	5	0	0
19	WAS	good	113.3007	38	33	5	3	1	5	16	8	0	1	1	2	1	0
20	IDEA	good	112.1609	14	0	14	0	0	0	0	0	0	14	0	0	0	0

14. The top 20 collocates of *give* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	REASONS	give	1757.557	140	3	137	0	1	2	0	0	0	113	21	0	2	1
2	YOUR	give	1335.083	180	7	173	1	2	3	1	0	0	26	1	109	31	6
3	FOR	give	1022.517	162	3	159	1	2	0	0	0	0	2	109	36	7	5
4	ANSWER	give	888.3268	110	2	108	1	0	1	0	0	0	0	1	0	87	20
5	A	give	596.566	159	14	145	4	5	5	0	0	0	71	39	24	7	4
6	REASON	give	436.3744	40	1	39	0	0	1	0	0	0	1	36	2	0	0
7	YOU	give	435.1328	103	61	42	4	5	9	24	19	0	28	1	4	3	6
8	THE	give	422.938	177	67	110	11	15	31	9	1	0	43	8	12	29	18
9	TO	give	419.5574	123	81	42	7	2	1	1	70	0	6	4	8	15	9
10	OF	give	262.8861	92	16	76	4	9	3	0	0	0	0	7	35	16	18
11	AND	give	186.4827	80	53	27	1	6	6	9	31	0	1	3	11	4	8
12	TITLE	give	183.6924	22	1	21	0	0	1	0	0	0	0	4	4	7	6
13	INFORMATION	give	168.8866	21	4	17	0	1	0	2	1	0	6	5	4	1	1
14	TWO	give	135.5924	27	0	27	0	0	0	0	0	0	20	3	2	1	1
15	CHOICE	give	130.2987	15	0	15	0	0	0	0	0	0	0	0	0	8	7
16	STORY	give	119.2737	27	6	21	1	1	0	2	2	0	0	5	0	3	13
17	WOULD	give	117.064	26	25	1	2	2	1	5	15	0	0	0	0	0	1
18	MUST	give	103.0893	17	16	1	0	0	1	2	13	0	0	0	0	1	0
19	AN	give	98.87101	25	1	24	1	0	0	0	0	0	13	2	6	2	1
20	DETAILS	give	89.96967	12	2	10	0	0	0	1	1	0	4	4	0	0	2

15. The top 20 collocates of *see* in the English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	see	954.0401	276	83	193	21	30	22	10	0	0	90	25	17	29	32
2	YOU	see	951.3417	175	134	41	7	10	14	34	69	0	12	16	6	1	6
3	TO	see	703.6677	170	154	16	5	15	7	0	127	0	1	5	4	2	4
4	COULD	see	429.4254	58	57	1	0	0	0	9	48	0	0	0	0	1	0
5	AND	see	388.2692	122	75	47	13	10	12	8	32	0	11	6	7	11	12
6	I	see	323.037	81	74	7	4	9	14	28	19	0	1	2	3	1	0
7	CAN	see	273.7839	45	37	8	0	2	4	12	19	0	0	1	5	2	0
8	WE	see	270.5664	48	43	5	2	3	4	6	28	0	0	1	1	1	2
9	WHAT	see	253.3981	56	28	28	0	3	9	16	0	0	21	3	1	2	1
10	THAT	see	229.7401	59	18	41	4	4	7	3	0	0	23	8	4	4	2
11	IN	see	210.2368	74	21	53	9	7	3	1	1	0	18	6	10	11	8
12	HOW	see	190.8	37	9	28	4	2	0	3	0	0	24	0	1	2	1
13	IT	see	178.8644	53	20	33	9	6	4	1	0	0	16	6	2	6	3
14	AS	see	149.5726	39	17	22	3	3	4	7	0	0	1	6	10	1	4
15	OF	see	111.7124	57	17	40	6	4	7	0	0	0	1	4	18	8	9
16	THROUGH	see	108.5668	19	10	9	6	4	0	0	0	0	1	1	6	1	0
17	US	see	106.6172	20	15	5	1	1	0	2	11	0	3	0	1	1	0
18	HE	see	105.4671	37	27	10	1	4	3	19	0	0	3	3	1	0	3
19	SO	see	98.83289	22	14	8	1	4	6	3	0	0	0	3	0	2	3
20	THEM	see	97.16055	22	3	19	0	1	0	1	1	0	10	1	2	3	3

The top 20 collocates of the 15 most frequent content words in the geography textbooks corpus

1. The top 20 collocates of *people* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IN	people	1508.562	381	82	299	28	18	17	18	1	0	97	74	58	31	39
2	OF	people	1358.722	399	291	108	31	27	51	62	120	0	34	6	13	24	31
3	TO	people	1337.179	324	105	219	16	22	22	21	24	0	63	41	56	33	26
4	THE	people	1271.192	476	234	242	35	63	48	31	57	0	5	91	55	47	44
5	LIVE	people	795.004	96	3	93	0	2	1	0	0	0	50	28	5	6	4
6	WHO	people	699.5706	88	3	85	2	1	0	0	0	0	79	0	2	2	2
7	AND	people	662.0946	240	93	147	22	21	15	15	20	0	48	14	21	28	36
8	MANY	people	597.2637	110	100	10	5	5	10	21	59	0	1	3	0	0	6
9	FOR	people	570.5903	132	88	44	11	12	7	26	32	0	9	7	6	12	10
10	HAVE	people	545.6949	112	19	93	7	5	4	3	0	0	55	13	6	9	10
11	MILLION	people	494.3818	63	61	2	0	3	0	0	58	0	0	0	1	0	1
12	YOUNG	people	425.3163	55	49	6	0	0	0	4	45	0	0	3	0	3	0
13	ARE	people	398.5023	127	50	77	13	19	13	5	0	0	49	8	2	12	6
14	FROM	people	368.1026	95	8	87	0	4	2	2	0	0	28	21	22	7	9
15	WORK	people	294.3828	49	5	44	0	2	2	1	0	0	12	16	4	7	5
16	THEIR	people	290.964	60	8	52	1	2	0	2	3	0	1	15	15	9	12
17	A	people	269.0414	132	65	67	20	26	13	5	1	0	2	19	21	9	16
18	MIGRATE	people	237.9252	27	0	27	0	0	0	0	0	0	13	8	1	3	2
19	THAT	people	231.9329	70	46	24	5	7	7	13	14	0	3	10	2	4	5
20	AREAS	people	231.5445	58	22	36	8	6	3	3	2	0	0	0	8	13	15

2. The top 20 collocates of *map* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	map	4824.983	919	681	238	83	72	98	79	349	0	3	117	35	31	52
2	ON	map	2626.428	390	301	89	6	28	34	230	3	0	38	3	9	10	29
3	OF	map	1369.825	379	136	243	22	30	14	66	4	0	169	11	14	26	23
4	SKETCH	map	1280.22	120	115	5	4	5	1	0	105	0	0	1	2	2	0
5	A	map	1108.614	285	213	72	18	26	10	90	69	0	9	23	12	13	15
6	EXTRACT	map	999.052	93	1	92	0	0	0	1	0	0	88	0	0	3	1
7	ORDNANCE	map	949.4637	98	89	9	0	1	2	86	0	0	0	0	2	6	1
8	SURVEY	map	917.7314	98	90	8	0	1	1	2	86	0	0	0	0	2	6
9	DRAW	map	895.3735	99	88	11	2	4	74	8	0	0	1	5	0	2	3
10	SHOWN	map	883.5714	109	71	38	8	11	52	0	0	0	2	4	1	31	0
11	OS [ORDNANCE SURVEY]	map	867.5362	89	86	3	1	0	0	0	85	0	0	0	2	0	1
12	AREA	map	747.4496	123	68	55	14	24	18	2	10	0	1	0	34	19	1
13	EVIDENCE	map	742.1363	94	60	34	5	6	49	0	0	0	24	3	5	0	2
14	PAGE	map	702.0916	91	5	86	0	5	0	0	0	0	5	59	4	10	8
15	FIGURE	map	584.433	91	8	83	5	3	0	0	0	0	19	39	12	3	10
16	AND	map	479.3602	188	73	115	18	16	18	15	6	0	60	13	9	16	17
17	STUDY	map	460.4974	69	67	2	2	42	6	17	0	0	0	0	1	0	1
18	PHOTOGRAPH	map	458.7483	75	30	45	4	10	10	6	0	0	0	16	14	9	6
19	TO	map	384.9207	143	48	95	11	15	5	13	4	0	40	17	8	18	12
20	CAREFULLY	map	327.0979	41	40	1	30	3	7	0	0	0	0	1	0	0	0

3. The top 20 collocates of *population* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	population	1712.348	512	348	164	34	40	39	71	164	0	4	52	42	28	38
2	DENSITY	population	1528.659	146	23	123	4	3	2	13	1	0	110	1	5	5	2
3	OF	population	1407.316	377	191	186	14	25	44	72	36	0	99	21	17	29	20
4	GROWTH	population	1195.171	128	19	109	1	7	4	6	1	0	104	0	1	1	3
5	DENSITIES	population	814.7403	69	8	61	3	1	1	3	0	0	58	0	0	2	1
6	IN	population	777.0646	235	66	169	10	8	9	17	22	0	21	62	23	25	38
7	CHANGE	population	777.0334	85	20	65	2	5	6	2	5	0	19	1	1	44	0
8	DISTRIBUTION	population	722.5497	74	10	64	2	4	0	2	2	0	60	1	2	1	0
9	A	population	573.385	186	129	57	23	16	24	23	43	0	4	17	13	12	11
10	AND	population	547.2479	198	75	123	19	25	12	15	4	0	10	9	60	30	14
11	HIGH	population	416.7125	68	50	18	2	4	5	0	39	0	0	7	8	0	3
12	IS	population	392.2779	129	28	101	12	7	4	5	0	0	42	34	10	6	9
13	HAS	population	385.7054	79	41	38	6	11	13	11	0	0	14	8	5	6	5
14	DIVERSITY	population		52	8	44	4	1	3	0	0	0	0	44	0	0	0
15	LOW	population	381.0645	58	43	15	1	1	3	1	37	0	0	2	3	6	4
16	PYRAMID	population	351.4405	32	4	28	0	1	3	0	0	0	22	1	1	4	0
17	VERY	population	315.1788	56	27	29	1	0	0	26	0	0	1	5	11	8	4
18	WORLD	population	303.0736	55	32	23	1	2	2	4	23	0	1	1	11	7	3
19	TO	population	299.4256	121	53	68	15	10	13	10	5	0	6	11	20	17	14
20	INCREASE	population	297.9307	41	17	24	3	1	4	6	3	0	18	2	1	1	2

4. The top 20 collocates of *areas* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IN	areas	1716.422	385	267	118	23	29	60	120	35	0	43	12	16	20	27
2	OF	areas	981.9551	304	104	200	18	27	23	32	4	0	131	7	12	31	19
3	ARE	areas	845.9624	192	68	124	19	22	13	6	8	0	64	18	14	18	10
4	RURAL	areas	748.3293	82	77	5	1	7	2	2	65	0	1	2	0	1	1
5	AND	areas	641.3416	217	94	123	12	27	26	25	4	0	40	6	28	25	24
6	THE	areas	597.6342	293	133	160	39	26	13	36	19	0	7	63	41	27	22
7	TO	areas	572.2329	177	86	91	14	11	21	33	7	0	23	20	17	17	14
8	URBAN	areas	405.3706	61	50	11	2	0	1	1	46	0	0	8	2	1	0
9	LOWLAND	areas	372.8514	38	34	4	1	0	0	0	33	0	0	2	1	1	0
10	INNER	areas	359.6809	45	42	3	2	1	2	37	0	0	0	2	0	1	0
11	CITY	areas	358.9369	66	55	11	2	4	1	8	40	0	1	0	7	2	1
12	THESE	areas	351.9367	76	71	5	4	4	7	12	44	0	0	3	1	0	1
13	SUCH	areas	313.499	66	17	49	1	2	4	2	8	0	35	0	3	8	3
14	AS	areas	290.8136	82	25	57	9	6	4	5	1	0	3	37	0	6	11
15	PRESSURE	areas	275.4244	40	25	15	4	2	1	3	15	0	0	1	12	1	1
16	UPLAND	areas	267.2369	27	26	1	0	2	0	0	24	0	0	1	0	0	0
17	FROM	areas	249.9116	69	54	15	2	4	11	33	4	0	0	4	5	3	3
18	PEOPLE	areas	231.5445	58	36	22	15	13	8	0	0	0	2	3	3	6	8
19	LOW	areas	230.4554	40	23	17	5	2	2	14	0	0	1	11	2	2	1
20	HIGH	areas	221.469	43	20	23	3	1	10	6	0	0	0	17	3	2	1

5. The top 20 collocates of *water* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	water	1658.437	498	281	217	34	59	50	34	104	0	3	74	52	45	43
2	AND	water	966.9014	275	105	170	17	22	18	23	25	0	43	51	26	24	26
3	OF	water	882.302	283	230	53	21	18	26	70	95	0	2	3	6	24	18
4	SUPPLIES	water	687.9636	70	9	61	2	3	1	1	2	0	57	1	1	2	0
5	IS	water	626.7543	171	63	108	21	18	13	9	2	0	68	13	7	5	15
6	CLEAN	water	593.0602	56	53	3	0	0	1	2	50	0	0	0	2	0	1
7	TO	water	542.9111	170	72	98	16	14	17	22	3	0	36	10	20	21	11
8	IN	water	479.265	175	60	115	17	11	13	13	6	0	31	25	20	27	12
9	SUPPLY	water	382.8631	43	8	35	1	3	1	2	1	0	29	0	1	4	1
10	A	water	367.1853	142	75	67	15	29	18	7	6	0	9	26	11	10	11
11	FRESH	water	263.1565	23	19	4	0	0	0	1	18	0	0	3	0	1	0
12	FROM	water	252.8199	69	12	57	5	2	0	5	0	0	20	10	10	12	5
13	CYCLE	water	241.6744	29	5	24	0	2	1	2	0	0	22	0	0	1	1
14	FOR	water	226.5866	67	25	42	2	3	3	4	13	0	19	8	8	4	3
15	AIR	water	200.7842	39	22	17	5	6	3	6	2	0	1	3	4	8	1
16	AS	water	198.5613	64	35	29	8	7	3	13	4	0	6	5	4	7	7
17	INTO	water	188.5567	37	13	24	1	5	0	5	2	0	10	6	6	1	1
18	BY	water	185.945	53	40	13	7	7	8	14	4	0	2	3	1	4	3
19	IT	water	170.1553	53	23	30	9	10	2	2	0	0	2	5	5	7	11
20	CONDENSES	water	165.6952	16	2	14	0	0	1	0	1	0	1	8	0	2	3

6. The top 20 collocates of *area* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	area	3124.018	682	466	216	47	28	36	106	249	0	2	62	91	29	32
2	OF	area	1314.832	348	150	198	22	25	21	79	3	0	137	3	12	24	22
3	IN	area	1167.332	291	205	86	14	28	43	119	1	0	36	20	5	16	9
4	A	area	1137.161	274	193	81	58	25	31	79	0	0	7	32	13	10	19
5	AN	area	897.2996	137	125	12	2	6	8	14	95	0	1	8	0	1	2
6	MAP	area	747.4496	123	55	68	1	19	34	0	1	0	10	2	18	24	14
7	SHOWN	area	684.3438	87	4	83	2	2	0	0	0	0	72	3	2	5	1
8	THIS	area	546.1249	116	93	23	4	5	8	10	66	0	0	6	11	5	1
9	ON	area	435.552	107	28	79	3	1	15	9	0	0	4	58	6	4	7
10	IS	area	386.584	123	56	67	15	18	9	14	0	0	32	5	10	10	10
11	CALCULATE	area	277.0501	33	30	3	1	3	2	23	1	0	1	1	0	0	1
12	SKETCH	area	269.6815	36	34	2	3	28	3	0	0	0	0	1	1	0	0
13	TO	area	255.6107	106	63	43	12	11	20	20	0	0	13	5	10	9	6
14	AND	area	230.8951	118	45	73	21	10	8	5	1	0	19	5	14	13	22
15	PHOTOGRAPH	area	225.2208	43	8	35	4	3	1	0	0	0	0	0	2	26	7
16	URBAN	area	212.9506	37	29	8	3	0	2	0	24	0	0	3	2	1	2
17	PRESSURE	area	202.077	31	14	17	2	0	0	0	12	0	0	0	14	3	0
18	FOR	area	158.0174	52	20	32	4	5	4	7	0	0	11	3	7	4	7
19	ONE	area	152.1186	36	24	12	3	1	5	3	12	0	0	6	4	1	1
20	THAT	area	136.157	45	29	16	9	2	3	11	4	0	6	4	2	3	1

7. The top 20 collocates of *countries* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigt	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IN	countries	1387.189	294	193	101	22	22	47	88	14	0	49	15	9	10	18
2	THE	countries	945.8245	312	158	154	16	34	25	46	37	0	9	74	26	18	27
3	DEVELOPING	countries	779.5772	78	64	14	2	1	2	3	56	0	1	1	4	5	3
4	OF	countries	713.3212	216	126	90	8	33	19	59	7	0	38	7	11	18	16
5	RICH	countries	535.3153	61	51	10	2	0	13	6	30	0	0	3	4	3	0
6	WORLD	countries	504.2783	73	44	29	3	0	2	1	38	0	0	3	15	9	2
7	AND	countries	439.7357	149	73	76	14	12	20	25	2	0	19	4	15	19	19
8	DEVELOPED	countries	433.1414	57	48	9	2	0	6	0	40	0	0	2	4	2	1
9	POOR	countries	381.2273	50	43	7	3	3	3	1	33	0	0	4	1	1	1
10	ARE	countries	368.6052	98	20	78	8	7	4	0	1	0	47	9	5	12	5
11	TO	countries	352.9445	114	60	54	9	13	13	17	8	0	11	8	12	14	9
12	SUCH	countries	304.0983	58	6	52	0	1	0	0	5	0	44	0	1	4	3
13	MANY	countries	260.5207	52	44	8	3	4	7	15	15	0	1	0	2	0	5
14	POORER	countries	239.4724	26	18	8	0	2	2	2	12	0	0	0	4	2	2
15	AS	countries	231.2781	62	7	55	1	1	1	2	2	0	3	45	2	1	4
16	HAVE	countries	230.677	52	3	49	0	2	1	0	0	0	19	8	3	10	9
17	AID	countries	218.5483	34	27	7	8	5	9	5	0	0	0	4	2	0	1
18	SOUTH	countries	214.9875	39	7	32	3	1	2	1	0	0	2	4	18	3	5
19	POOREST	countries	196.4474	20	18	2	0	2	0	0	16	0	0	0	2	0	0
20	THIRD	countries	193.0661	26	24	2	0	0	1	23	0	0	0	0	1	0	1

8. The top 20 collocates of *city* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	city	1664.533	424	314	110	32	45	21	45	171	0	4	38	26	18	24
2	INNER	city	1619.693	130	122	8	3	1	1	0	117	0	0	0	3	2	3
3	CENTRE	city	972.7266	112	14	98	5	3	5	1	0	0	87	0	3	4	4
4	OF	city	846.4163	238	162	76	17	24	21	93	7	0	21	8	12	16	19
5	IN	city	841.9736	213	149	64	20	15	29	74	11	0	19	13	12	7	13
6	A	city	516.6085	150	110	40	17	9	14	30	40	0	4	11	14	4	7
7	TO	city	387.1916	120	64	56	15	18	12	15	4	0	9	16	10	11	10
8	AND	city	364.8499	133	44	89	9	14	4	11	6	0	29	22	10	14	14
9	AREAS	city	358.9369	66	11	55	1	2	7	0	1	0	40	8	1	4	2
10	PRIMATE	city	299.6089	25	25	0	0	0	0	0	25	0	0	0	0	0	0
11	IS	city	200.6513	74	40	34	7	15	16	2	0	0	16	6	7	3	2
12	SUBURBS	city	195.7531	25	4	21	0	0	4	0	0	0	6	1	3	9	2
13	TOWN	city	144.9934	28	12	16	2	0	3	7	0	0	1	9	1	5	0
14	HAS	city	134.0314	34	5	29	0	4	0	1	0	0	16	3	3	5	2
15	ARE	city	127.7236	51	21	30	9	4	8	0	0	0	0	11	10	2	7
16	AS	city	125.7263	42	16	26	2	5	5	4	0	0	0	5	7	6	8
17	CAPITAL	city	125.0723	16	13	3	0	0	1	1	11	0	0	1	0	1	1
18	HOUSING	city	124.0437	19	4	15	1	3	0	0	0	0	6	1	0	2	6
19	FROM	city	121.9087	38	31	7	5	3	6	16	1	0	3	2	1	0	1
20	OR	city	112.9322	34	17	17	1	3	2	3	8	0	8	3	4	1	1

9. The top 20 collocates of *river* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	river	3163.066	592	460	132	48	75	17	38	282	0	6	38	39	23	26
2	A	river	1057.096	235	155	80	11	22	12	17	93	0	4	25	18	16	17
3	OF	river	573.1089	188	143	45	10	17	12	97	7	0	5	3	7	12	18
4	AND	river	363.469	132	65	67	16	18	8	18	5	0	19	22	2	7	17
5	ON	river	326.9004	80	59	21	11	1	3	41	3	0	0	8	4	7	2
6	ITS	river	244.4455	45	6	39	3	0	2	1	0	0	0	18	6	11	4
7	IN	river	242.5459	101	54	47	16	9	14	10	5	0	13	18	7	6	3
8	BASIN	river	237.7864	26	7	19	0	0	6	1	0	0	18	1	0	0	0
9	VALLEYS	river	222.1349	27	2	25	0	1	1	0	0	0	23	0	0	1	1
10	FLOWS	river	202.4164	23	1	22	1	0	0	0	0	0	11	5	3	3	0
11	IS	river	188.61	71	32	39	10	9	7	6	0	0	9	10	7	6	7
12	POINT	river	188.1384	27	23	4	2	1	19	1	0	0	0	2	1	0	1
13	VALLEY	river	188.1244	28	10	18	1	3	3	3	0	0	13	2	1	2	0
14	FLOOD	river	186.6303	23	16	7	3	10	0	3	0	0	1	2	1	1	2
15	COURSE	river	169.2403	21	13	8	1	2	9	1	0	0	1	1	1	2	3
16	OR	river	163.6034	43	14	29	3	2	2	3	4	0	15	3	2	7	2
17	STREAM	river	154.8462	15	3	12	1	0	0	2	0	0	1	10	1	0	0
18	WHICH	river	146.0501	37	24	13	8	6	2	5	3	0	2	6	2	0	3
19	BED	river	143.3088	14	6	8	1	0	5	0	0	0	6	0	0	0	2
20	BRIDGE	river	142.2729	17	13	4	3	3	4	1	2	0	1	0	1	1	1

10. The top 20 collocates of *land* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	land	1366.115	370	237	133	17	42	34	21	123	0	4	33	51	24	21
2	OF	land	880.4142	238	176	62	13	16	9	63	75	0	7	8	8	21	18
3	IS	land	487.1903	125	44	81	11	19	11	3	0	0	59	10	5	1	6
4	AND	land	478.1517	152	74	78	11	19	18	10	16	0	18	21	19	11	9
5	USE	land	457.2963	65	16	49	4	2	4	4	2	0	43	0	1	4	1
6	IN	land	325.7165	117	25	92	5	12	5	2	1	0	24	27	9	18	14
7	FLAT	land	300.7188	33	29	4	2	6	2	2	17	0	1	2	0	0	1
8	ON	land	297.6265	74	50	24	9	5	9	18	9	0	12	7	2	2	1
9	TO	land	253.8546	91	44	47	12	9	10	12	1	0	9	11	9	12	6
10	USES	land	249.1844	28	2	26	0	2	0	0	0	0	24	0	0	1	1
11	AGRICULTURAL	land	213.8822	21	19	2	0	0	1	1	17	0	1	1	0	0	0
12	OR	land	150.1743	40	19	21	2	5	8	3	1	0	4	1	6	3	7
13	BY	land	145.6637	39	14	25	4	2	5	3	0	0	6	6	4	6	3
14	QUALITY	land	144.5581	19	6	13	0	1	0	3	2	0	12	0	0	0	1
15	FROM	land	136.8955	40	21	19	0	3	7	10	1	0	7	7	3	1	1
16	SLOPING	land	130.3949	15	10	5	0	0	0	0	10	0	0	0	4	1	0
17	LAND	land		658	31	31	10	4	10	6	1	596	1	6	10	4	10
18	BUILDINGS	land	121.3667	20	6	14	4	0	1	0	1	0	0	2	0	10	2
19	VALUES	land		41	7	34	0	2	0	5	0	0	30	0	1	2	1
20	WHICH	land	103.2791	29	10	19	2	0	3	3	2	0	6	6	2	2	3

11. The top 20 collocates of *following* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DO	following	1114.756	126	125	1	0	1	0	124	0	0	0	1	0	0	0
2	I	following	1098.079	170	4	166	0	3	0	0	1	0	137	10	9	3	7
3	THEN	following	1085.491	120	119	1	1	0	118	0	0	0	0	0	1	0	0
4	OF	following	984.413	252	201	51	10	21	0	168	2	0	0	10	10	15	16
5	EACH	following	906.5009	116	116	0	0	1	115	0	0	0	0	0	0	0	0
6	GRID	following	318.0279	45	8	37	1	7	0	0	0	0	31	0	5	1	0
7	ANSWER	following	314.8928	42	40	2	0	2	4	34	0	0	0	0	1	0	1
8	QUESTIONS	following	283.7017	31	2	29	1	1	0	0	0	0	28	0	1	0	0
9	AND	following	270.1108	108	90	18	10	10	70	0	0	0	2	4	2	5	5
10	AT	following	269.9939	58	56	2	2	26	0	28	0	0	0	0	1	0	1
11	MARK	following	263.9714	33	33	0	14	18	1	0	0	0	0	0	0	0	0
12	FEATURES	following	259.4975	38	10	28	4	0	6	0	0	0	27	0	0	1	0
13	REFERENCES	following	248.3351	28	5	23	1	1	3	0	0	0	0	18	0	4	1
14	IDENTIFY	following	242.7042	39	34	5	4	11	0	19	0	0	2	0	2	0	1
15	STATEMENTS	following	224.023	21	0	21	0	0	0	0	0	0	21	0	0	0	0
16	NAME	following	196.5431	31	30	1	0	0	0	30	0	0	0	0	1	0	0
17	TERMS	following	191.436	21	0	21	0	0	0	0	0	0	19	0	2	0	0
18	ON	following	191.2664	55	32	23	3	17	2	10	0	0	1	11	4	4	3
19	HEADINGS	following	185.1586	18	0	18	0	0	0	0	0	0	18	0	0	0	0
20	A	following	175.6831	77	14	63	5	7	2	0	0	0	11	21	10	5	16

12. The top 20 collocates of *figure* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	figure	1035.715	300	214	86	37	66	68	42	1	0	1	2	24	44	15
2	SEE	figure	649.3713	75	75	0	0	2	1	2	70	0	0	0	0	0	0
3	MAP	figure	584.433	91	83	8	10	3	12	39	19	0	0	0	0	3	5
4	IN	figure	536.3883	150	136	14	8	12	10	3	103	0	1	1	0	5	7
5	GRID	figure	475.6827	60	8	52	1	3	4	0	0	0	48	0	1	0	3
6	PAGE	figure	451.7201	57	5	52	1	0	4	0	0	0	0	4	33	11	4
7	SHOWS	figure	429.201	46	0	46	0	0	0	0	0	0	0	35	10	1	0
8	STUDY	figure	325.2681	46	45	1	13	6	13	0	13	0	0	0	1	0	0
9	EXTRACT	figure	293.9953	33	33	0	0	2	1	1	29	0	0	0	0	0	0
10	REFERENCE	figure	277.4444	35	5	30	2	1	0	2	0	0	1	28	0	1	0
11	A	figure	263.9668	93	50	43	4	7	8	31	0	0	0	7	18	8	10
12	EXAMINE	figure	261.6678	30	29	1	11	8	5	0	5	0	0	0	0	1	0
13	REFERENCES	figure	242.5585	27	7	20	1	0	3	3	0	0	0	20	0	0	0
14	OF	figure	231.79	105	75	30	17	22	11	25	0	0	0	1	1	5	23
15	AND	figure	206.3076	89	47	42	12	9	11	10	5	0	0	6	27	1	8
16	ON	figure	185.2168	52	38	14	6	14	6	0	12	0	0	8	4	1	1
17	SHOWN	figure	176.3433	28	28	0	1	1	0	26	0	0	0	0	0	0	0
18	ORDNANCE	figure	168.332	23	22	1	4	6	12	0	0	0	0	0	0	0	1
19	OS [ORDNANCE SURVEY]	figure	154.8239	21	19	2	1	2	16	0	0	0	0	0	0	1	1
20	SURVEY	figure	153.9431	22	22	0	0	4	6	12	0	0	0	0	0	0	0

13. The top 20 collocates of *south* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	EAST	south	991.9678	98	37	61	4	6	3	18	6	0	37	8	3	10	3
2	IN	south	864.7303	201	171	30	18	15	8	104	26	0	5	8	7	5	5
3	OF	south	695.9382	195	79	116	14	10	6	31	18	0	59	17	9	19	12
4	WEST	south	515.1947	63	15	48	2	4	2	5	2	0	30	2	7	7	2
5	AND	south	514.8308	150	105	45	10	18	16	10	51	0	16	8	7	8	6
6	TO	south	235.379	82	50	32	7	7	3	25	8	0	4	5	4	12	7
7	COUNTRIES	south	214.9875	39	32	7	5	3	18	4	2	0	0	1	2	1	3
8	IS	south	180.9049	64	34	30	12	6	9	5	2	0	11	6	5	7	1
9	FROM	south	148.2312	40	22	18	2	4	1	14	1	0	1	4	1	5	7
10	WESTERLY	south	134.8234	12	0	12	0	0	0	0	0	0	12	0	0	0	0
11	FACING	south	133.3145	14	0	14	0	0	0	0	0	0	13	0	0	0	1
12	EQUATOR	south	114.2042	15	0	15	0	0	0	0	0	0	0	0	14	1	0
13	POOR	south	113.3559	19	10	9	0	4	1	0	5	0	2	2	1	3	1
14	ARE	south	110.4359	43	16	27	3	4	7	2	0	0	8	6	8	3	2
15	WINDS	south	101.5507	17	6	11	0	3	2	0	1	0	0	9	2	0	0
16	AID	south	99.59799	18	13	5	4	0	9	0	0	0	1	0	1	2	1
17	ITALY	south	93.97758	13	3	10	0	2	1	0	0	0	0	7	1	0	2
18	SLOPES	south	91.64577	13	1	12	0	0	1	0	0	0	0	12	0	0	0
19	THAN	south	84.06833	19	9	10	2	2	3	2	0	0	4	0	0	2	4
20	COAST	south	77.03757	13	0	13	0	0	0	0	0	0	7	4	0	2	0

14. The top 20 collocates of *world* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	world	2723.955	493	407	86	64	37	15	105	186	0	12	17	21	21	15
2	THIRD	world	978.4321	88	82	6	4	0	0	0	78	0	0	1	1	2	2
3	IN	world	832.7821	195	140	55	27	10	41	54	8	0	9	15	16	9	6
4	OF	world	587.5831	175	151	24	9	12	28	90	12	0	1	4	4	10	5
5	COUNTRIES	world	504.2783	73	29	44	2	9	15	3	0	0	38	1	2	0	3
6	DEVELOPING	world	452.3917	49	41	8	1	0	0	3	37	0	0	2	1	3	2
7	FIRST	world	339.4488	39	34	5	1	0	1	0	32	0	0	0	2	3	0
8	POPULATION	world	303.0736	55	23	32	3	7	11	1	1	0	23	4	2	2	1
9	DEVELOPED	world	254.03	36	30	6	0	2	0	2	26	0	0	1	1	3	1
10	CLIMATES	world	240.5473	28	16	12	0	1	14	1	0	0	9	0	2	0	1
11	TRADE	world	218.9175	27	4	23	2	1	0	1	0	0	18	3	0	1	1
12	MAJORITY	world	201.8953	18	15	3	1	1	0	1	12	0	0	1	1	1	0
13	TO	world	186.237	71	36	35	11	5	10	9	1	0	2	7	12	9	5
14	IS	world	173.5437	62	18	44	9	5	3	1	0	0	20	7	5	6	6
15	THROUGHOUT	world	164.0423	21	19	2	0	0	1	18	0	0	1	0	0	1	0
16	A	world	160.8083	69	34	35	4	9	3	11	7	0	3	13	4	10	5
17	AND	world	143.3309	72	30	42	13	7	6	1	3	0	5	11	5	8	13
18	ARE	world	130.118	47	10	37	3	1	3	3	0	0	21	11	3	1	1
19	RICH	world	116.7998	18	15	3	3	1	2	4	5	0	0	0	1	0	2
20	PEOPLE	world	116.4317	30	13	17	3	2	7	1	0	0	8	1	5	0	3

15. The top 20 collocates of *sea* in the geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	sea	2201.185	443	337	106	28	44	19	51	195	0	9	27	20	26	24
2	OF	sea	409.0741	141	96	45	18	10	15	32	21	0	1	2	7	18	17
3	A	sea	382.2551	114	59	55	6	16	10	4	23	0	3	18	20	4	10
4	AND	sea	366.3527	121	50	71	14	10	10	9	7	0	15	15	13	15	13
5	FROM	sea	343.6046	70	60	10	10	6	4	39	1	0	2	1	3	3	1
6	LEVEL	sea	291.72	38	3	35	0	2	1	0	0	0	34	0	0	1	0
7	BY	sea	249.1729	53	39	14	5	2	3	25	4	0	2	6	1	3	2
8	CELTIC	sea	233.2135	22	21	1	0	0	1	0	20	0	0	1	0	0	0
9	CAVE	sea	231.9917	23	9	14	2	1	1	3	2	0	10	0	1	3	0
10	CAVES	sea	222.8408	19	8	11	3	2	0	2	1	0	9	0	0	2	0
11	EROSION	sea	222.5415	29	8	21	0	1	5	1	1	0	14	2	2	1	2
12	IS	sea	208.8976	69	14	55	5	5	3	1	0	0	8	24	3	6	14
13	IN	sea	194.4097	81	51	30	5	6	27	11	2	0	9	4	6	8	3
14	AREAS	sea	154.1947	34	11	23	1	8	1	1	0	0	15	1	1	4	2
15	OR	sea	128.2511	34	13	21	0	2	2	5	4	0	7	4	3	2	5
16	AT	sea	119.8634	32	17	15	1	2	1	0	13	0	7	5	1	1	1
17	OUT	sea	92.84482	16	13	3	0	1	5	7	0	0	0	0	1	0	2
18	IRISH	sea	91.7124	18	18	0	0	0	0	1	17	0	0	0	0	0	0
19	CLIFF	sea	91.48232	11	3	8	0	2	0	1	0	0	5	0	0	3	0
20	ARE	sea	90.85007	38	15	23	6	4	2	3	0	0	9	4	6	3	1

The top 20 collocates of the 15 most frequent content words in the history textbooks corpus

1. The top 20 collocates of *people* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	people	3202.76	972	621	351	94	112	68	105	242	0	7	110	97	69	68
2	TO	people	1533.562	433	167	266	34	28	42	53	10	0	67	69	55	42	33
3	OF	people	1399.524	458	290	168	33	32	42	113	70	0	74	14	13	33	34
4	IN	people	1282.605	403	91	312	37	27	18	8	1	0	123	71	42	36	40
5	WERE	people	971.7058	252	52	200	18	11	14	6	3	0	141	10	15	19	15
6	AND	people	950.8446	355	169	186	32	39	37	43	18	0	29	24	49	44	40
7	MANY	people	678.5955	128	120	8	3	5	6	26	80	0	0	3	1	0	4
8	LIVED	people	555.48	79	0	79	0	0	0	0	0	0	58	13	5	0	3
9	THAT	people	454.2229	127	75	52	10	8	13	29	15	0	3	28	6	10	5
10	WHO	people	417.0353	92	4	88	0	3	1	0	0	0	78	1	1	5	3
11	MORE	people	396.3227	77	53	24	3	14	13	1	22	0	6	5	7	2	4
12	IRISH	people	360.7603	85	74	11	2	3	0	1	68	0	0	3	6	0	2
13	HISTORY	people	348.8644	58	14	44	2	1	6	2	3	0	0	44	0	0	0
14	MOST	people	345.7852	71	62	9	0	1	7	13	41	0	2	4	0	2	1
15	FOR	people	323.9931	102	61	41	7	9	15	19	11	0	7	12	7	9	6
16	ORDINARY	people	311.1131	37	37	0	0	0	0	1	36	0	0	0	0	0	0
17	THEIR	people	306.1277	88	22	66	2	1	2	3	14	0	1	22	14	16	13
18	ABOUT	people	266.5784	59	35	24	7	9	11	8	0	0	4	4	7	4	5
19	A	people	261.914	140	58	82	26	17	5	9	1	0	2	18	28	16	18
20	HAD	people	237.8691	73	14	59	3	3	3	4	1	0	37	8	3	5	6

2. The top 20 collocates of *war* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	war	4997.628	1069	795	274	108	120	78	179	310	0	26	83	65	50	50
2	WORLD	war	2993.49	320	298	22	7	5	1	0	285	0	1	4	6	5	6
3	OF	war	1348.741	402	263	139	37	26	41	128	31	0	74	5	11	21	28
4	IN	war	1040.678	320	178	142	21	31	31	90	5	0	46	20	25	27	24
5	CIVIL	war	1026.716	112	104	8	1	1	1	0	101	0	1	1	0	4	2
6	COLD	war	746.8694	71	67	4	2	4	0	0	61	0	0	3	0	1	0
7	DURING	war	723.3307	112	105	7	1	10	11	83	0	0	1	1	2	1	2
8	AFTER	war	684.3923	100	90	10	2	5	4	78	1	0	0	6	3	1	0
9	INDEPENDENCE	war	643.6954	78	6	72	0	3	3	0	0	0	0	71	0	1	0
10	AND	war	473.9348	215	77	138	15	11	19	17	15	0	34	21	32	26	25
11	TO	war	408.556	180	109	71	22	23	24	33	7	0	6	15	13	17	20
12	ENDED	war	344.3642	39	6	33	0	0	2	4	0	0	21	4	5	2	1
13	END	war	330.6451	46	34	12	1	9	24	0	0	0	0	1	5	5	1
14	WAS	war	309.8904	119	39	80	13	19	7	0	0	0	23	16	17	10	14
15	KOREAN	war	308.7415	28	26	2	2	0	0	0	24	0	0	0	0	1	1
16	ON	war	271.3852	81	19	62	8	2	1	7	1	0	37	10	5	5	5
17	A	war	255.8708	122	69	53	8	9	17	20	15	0	5	22	9	6	11
18	YEARS	war	232.1507	43	31	12	1	0	2	0	28	0	8	0	0	1	3
19	AMERICAN	war	230.9148	36	30	6	1	0	1	0	28	0	0	2	2	1	1
20	OUTBREAK	war	217.4854	20	20	0	1	1	17	1	0	0	0	0	0	0	0

3. The top 20 collocates of *Irish* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	Irish	3602.349	858	646	212	62	72	61	115	336	0	3	35	56	73	45
2	TO	Irish	928.9887	275	148	127	25	22	31	51	19	0	2	35	37	27	26
3	OF	Irish	710.8619	264	204	60	32	27	34	64	47	0	1	16	2	13	28
4	IN	Irish	693.8286	240	114	126	25	16	22	23	28	0	6	28	42	29	21
5	AND	Irish	528.5378	216	95	121	15	11	21	29	19	0	21	49	15	16	20
6	VOLUNTEERS	Irish	519.3907	55	4	51	1	2	1	0	0	0	49	1	0	1	0
7	PEOPLE	Irish	360.7603	85	11	74	2	0	6	3	0	0	68	1	0	3	2
8	GAELIC	Irish	350.769	43	35	8	4	2	3	2	24	0	3	1	0	3	1
9	STATE	Irish	279.9106	45	6	39	2	4	0	0	0	0	1	38	0	0	0
10	AGREEMENT	Irish	272.0012	36	3	33	0	2	0	1	0	0	28	2	1	1	1
11	FREE	Irish	270.7962	40	1	39	0	0	0	0	1	0	39	0	0	0	0
12	BY	Irish	257.7794	76	42	34	6	7	4	13	12	0	1	12	9	8	4
13	AS	Irish	254.3664	74	36	38	7	11	4	10	4	0	4	13	10	8	3
14	AN	Irish	251.5184	59	49	10	4	1	3	12	29	0	0	0	4	2	4
15	WERE	Irish	239.134	92	30	62	13	7	3	3	4	0	7	36	7	4	8
16	PARLIAMENT	Irish	218.1643	36	4	32	2	0	2	0	0	0	28	0	1	2	1
17	BRITISH	Irish	208.0302	46	30	16	4	6	4	16	0	0	0	3	1	5	7
18	REPUBLIC	Irish	197.5419	31	4	27	2	1	1	0	0	0	24	0	1	1	1
19	A	Irish	195.4774	100	52	48	16	24	5	7	0	0	0	7	15	19	7
20	LANGUAGE	Irish	194.2556	25	4	21	1	1	0	2	0	0	16	1	2	2	0

4. The top 20 collocates of *government* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	government	964.4035	273	81	192	16	16	30	14	5	0	33	63	37	40	19
2	OF	government	930.0122	298	168	130	30	33	26	21	58	0	40	6	15	34	35
3	BRITISH	government	854.9843	125	121	4	4	4	0	0	113	0	0	1	2	1	0
4	IN	government	535.0349	200	91	109	21	27	14	7	22	0	38	22	14	19	16
5	A	government	474.1028	159	99	60	16	14	23	27	19	0	2	27	14	10	7
6	IRELAND	government	315.2234	78	30	48	6	9	4	0	11	0	1	23	12	6	6
7	AND	government	281.198	149	55	94	10	11	18	12	4	0	36	9	16	20	13
8	PARTY	government	270.9496	44	39	5	1	4	5	1	28	0	0	0	3	2	0
9	BY	government	258.3102	74	30	44	3	3	12	9	3	0	3	17	13	5	6
10	THAT	government	246.893	73	39	34	6	4	14	13	2	0	2	18	3	7	4
11	COALITION	government	243.9889	25	25	0	0	2	1	0	22	0	0	0	0	0	0
12	ACT	government	222.6766	33	8	25	2	2	4	0	0	0	1	0	17	2	5
13	WAS	government	203.3192	86	29	57	8	6	10	5	0	0	41	2	2	4	8
14	IRISH	government	186.1237	47	39	8	5	1	0	0	33	0	0	0	2	4	2
15	NORTHERN	government	182.3446	34	18	16	5	3	0	10	0	0	0	10	1	3	2
16	FIANNA	government	159.8297	24	21	3	4	2	4	11	0	0	0	0	0	2	1
17	HAD	government	149.4348	46	14	32	7	3	3	1	0	0	27	0	0	3	2
18	FAIL	government	143.3739	22	20	2	0	4	2	4	10	0	0	0	0	0	2
19	SET	government	140.3671	28	13	15	9	3	1	0	0	0	7	0	4	2	2
20	FORMED	government	131.9924	20	13	7	1	0	6	6	0	0	3	3	1	0	0

5. The top 20 collocates of *century* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IN	century	4001.663	627	574	53	93	46	324	111	0	0	8	11	11	12	11
2	INTERNATIONAL	century	1653.673	151	150	1	150	0	0	0	0	0	0	0	1	0	0
3	RELATIONS	century	1628.274	152	152	0	1	151	0	0	0	0	0	0	0	0	0
4	CHANGE	century	1245.067	130	127	3	0	26	100	1	0	0	0	3	0	0	0
5	EARLY	century	626.8245	75	73	2	19	5	2	47	0	0	0	0	0	2	0
6	SOCIAL	century	578.1295	68	61	7	27	34	0	0	0	0	5	0	1	0	1
7	POLITICAL	century	565.6501	74	71	3	1	69	1	0	0	0	2	0	0	0	1
8	YEAR	century	564.212	80	0	80	0	0	0	0	0	0	35	41	1	2	1
9	OF	century	491.6294	187	111	76	9	4	76	22	0	0	0	16	19	12	29
10	DURING	century	408.36	66	61	5	1	7	52	1	0	0	2	0	2	1	0
11	END	century	167.6098	25	22	3	0	14	8	0	0	0	0	1	1	1	0
12	FIRST	century	158.8353	31	25	6	6	4	2	0	13	0	0	2	1	2	1
13	BEGINNING	century	149.8106	18	18	0	0	17	1	0	0	0	0	0	0	0	0
14	DECADES	century	147.6923	15	15	0	1	12	2	0	0	0	0	0	0	0	0
15	A	century	124.4785	68	16	52	3	3	0	2	8	0	15	10	9	9	9
16	SECOND	century	97.39748	14	11	3	3	2	1	1	4	0	0	1	0	1	1
17	THIRD	century	83.96335	13	10	3	1	1	1	1	6	0	1	0	2	0	0
18	BC [BEFORE CHRIST]	century	78.07478	12	7	5	3	0	3	1	0	0	4	0	0	1	0
19	AD [ANNO DOMINI]	century	76.95873	11	3	8	1	0	0	2	0	0	8	0	0	0	0
20	YEARS	century	74.21996	17	11	6	0	9	2	0	0	0	0	0	3	2	1

6. The top 20 collocates of *British* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	GOVERNMENT	British	854.9843	125	4	121	0	1	2	1	0	0	113	0	0	4	4
2	TO	British	692.0469	198	78	120	14	9	19	34	2	0	10	30	21	29	30
3	AND	British	622.0227	201	81	120	11	14	13	19	24	0	55	31	7	13	14
4	ARMY	British	410.9518	61	3	58	0	0	2	0	1	0	50	2	1	3	2
5	OF	British	339.9655	148	95	53	12	21	11	35	16	0	1	5	5	14	28
6	FORCES	British	318.8863	40	3	37	0	2	0	0	1	0	27	5	2	2	1
7	IN	British	315.4213	130	51	79	4	11	22	11	3	0	1	31	15	13	19
8	BY	British	255.2325	66	39	27	4	1	6	21	7	0	1	5	8	8	5
9	TROOPS	British	248.2468	30	1	29	0	0	0	0	1	0	20	1	5	2	1
10	IRISH	British	208.0302	46	16	30	7	5	1	3	0	0	0	16	4	6	4
11	PRIME	British	207.5471	26	0	26	0	0	0	0	0	0	24	0	1	0	1
12	THAT	British	177.57	53	28	25	4	2	2	20	0	0	1	2	11	6	5
13	PARLIAMENT	British	167.95	27	5	22	2	1	1	1	0	0	20	0	0	0	2
14	AMERICANS	British	165.0701	22	13	9	0	1	3	7	2	0	1	1	4	2	1
15	FRENCH	British	161.5609	27	9	18	2	0	5	2	0	0	2	13	1	0	2
16	AMERICAN	British	157.1953	24	12	12	0	3	2	7	0	0	0	9	2	1	0
17	THE	British		748	573	175	46	49	30	14	434	0	0	24	67	46	38
18	COMMONWEALTH	British	150.4642	16	2	14	0	1	0	1	0	0	13	0	1	0	0
19	SOLDIERS	British	146.3282	24	2	22	0	1	0	1	0	0	16	2	1	1	2
20	MONARCH	British	145.5335	15	1	14	0	0	1	0	0	0	13	0	0	1	0

7. The top 20 collocates of *new* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	new	1326.958	409	289	120	39	58	28	11	153	0	0	15	39	32	34
2	A	new	663.6615	169	153	16	6	5	4	1	137	0	0	1	3	12	0
3	OF	new	571.7405	191	95	96	13	6	12	45	19	0	0	65	9	9	13
4	TO	new	481.6964	154	85	69	11	18	18	31	7	0	1	17	21	14	16
5	AND	new	459.9205	163	86	77	24	13	21	18	10	0	1	29	10	14	23
6	IN	new	402.4819	144	55	89	14	6	8	17	10	0	0	31	15	24	19
7	WERE	new	300.7303	88	27	61	6	12	4	3	2	0	0	35	10	8	8
8	TOWNS	new	195.3434	29	8	21	3	2	1	2	0	0	17	2	0	2	0
9	WORLD	new	162.5676	32	3	29	1	2	0	0	0	0	26	0	0	0	3
10	CALLED	new	149.2003	29	5	24	1	1	1	1	1	0	0	11	5	6	2
11	BUILT	new	139.7027	25	8	17	1	0	2	3	2	0	0	1	11	3	2
12	AS	new	115.6621	38	8	30	1	1	1	2	3	0	0	1	14	8	7
13	PARTY	new	113.1056	21	2	19	0	0	2	0	0	0	8	10	1	0	0
14	LANDS	new	112.7444	16	3	13	0	0	2	0	1	0	12	0	1	0	0
15	IDEAS	new	110.6113	17	3	14	1	0	2	0	0	0	11	3	0	0	0
16	WAS	new	104.2132	50	16	34	5	2	4	4	1	0	0	21	5	7	1
17	ORDERS	new	101.9082	13	0	13	0	0	0	0	0	0	7	6	0	0	0
18	CONSTITUTION	new	101.3015	14	1	13	0	1	0	0	0	0	12	1	0	0	0
19	ROUTES	new	100.5702	11	0	11	0	0	0	0	0	0	4	7	0	0	0
20	INTRODUCED	new	100.291	14	8	6	0	1	0	3	4	0	0	2	2	2	0

8. The top 20 collocates of *world* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WAR	world	2993.49	320	22	298	6	5	6	4	1	0	285	0	1	5	7
2	THE	world	2837.155	566	451	115	93	49	56	66	187	0	6	21	31	32	25
3	OF	world	1022.32	259	226	33	17	21	33	99	56	0	3	2	3	12	13
4	VIEW	world	505.8865	48	48	0	0	0	48	0	0	0	0	0	0	0	0
5	EUROPEAN	world	450.7407	58	52	6	0	48	4	0	0	0	0	0	2	1	3
6	IN	world	443.5649	146	111	35	16	12	20	26	37	0	3	4	5	10	13
7	DURING	world	373.1809	58	54	4	3	0	0	1	50	0	1	0	1	0	2
8	AFTER	world	327.1754	49	44	5	1	2	0	0	41	0	0	0	2	2	1
9	AND	world	217.6877	103	31	72	11	5	7	2	6	0	10	26	22	4	10
10	EXPLORATION	world	209.2253	24	3	21	2	0	1	0	0	0	20	0	0	0	1
11	DISCOVERY	world	201.8451	21	2	19	0	1	1	0	0	0	0	0	19	0	0
12	TO	world	178.9668	84	47	37	12	9	8	8	10	0	11	3	8	5	10
13	NEW	world	162.5676	32	29	3	3	0	0	0	26	0	0	0	0	2	1
14	OUTBREAK	world	152.2789	14	14	0	0	1	0	13	0	0	0	0	0	0	0
15	WAS	world	143.1308	57	13	44	5	2	6	0	0	0	16	4	10	11	3
16	ANCIENT	world	118.9462	20	18	2	0	0	0	0	18	0	0	2	0	0	0
17	A	world	115.8722	58	32	26	7	5	2	11	7	0	2	5	9	5	5
18	ON	world	101.8662	34	21	13	7	3	7	2	2	0	0	2	6	3	2
19	PARTS	world	101.1198	13	13	0	0	1	12	0	0	0	0	0	0	0	0
20	HAD	world	100.942	30	14	16	4	5	4	1	0	0	3	2	6	1	4

9. The top 20 collocates of *became* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	became	1160.965	358	148	210	34	28	36	50	0	0	65	1	79	34	31
2	AND	became	730.798	203	119	84	10	15	34	32	28	0	0	22	30	9	23
3	OF	became	644.7906	194	53	141	12	14	15	12	0	0	0	62	36	22	21
4	IN	became	437.1491	143	55	88	16	24	13	2	0	0	0	33	22	18	15
5	A	became	345.7996	107	16	91	3	5	2	6	0	0	74	0	6	9	2
6	POPULAR	became	313.6689	35	0	35	0	0	0	0	0	0	13	20	2	0	0
7	HE	became	280.5652	62	47	15	3	0	0	3	41	0	0	0	6	4	5
8	MORE	became	278.3722	46	7	39	2	2	2	1	0	0	30	4	2	2	1
9	AS	became	277.5983	64	19	45	5	5	2	7	0	0	1	32	7	1	4
10	KNOWN	became	253.2952	32	1	31	1	0	0	0	0	0	29	2	0	0	0
11	LEADER	became	221.5226	30	3	27	0	0	3	0	0	0	16	5	3	3	0
12	VERY	became	211.5604	36	1	35	0	0	1	0	0	0	33	2	0	0	0
13	WHEN	became	152.4944	29	22	7	1	1	10	10	0	0	0	0	3	4	0
14	WHO	became	120.1653	29	24	5	0	2	2	4	16	0	0	0	1	2	2
15	MINISTER	became	118.1343	18	1	17	0	1	0	0	0	0	1	10	4	1	1
16	SO	became	106.0384	21	11	10	2	5	1	2	1	0	9	0	1	0	0
17	MANY	became	103.7161	26	22	4	1	8	7	5	1	0	0	0	2	1	1
18	FAMOUS	became	101.137	15	2	13	0	1	1	0	0	0	9	3	1	0	0
19	LATER	became	99.19314	17	14	3	1	0	2	3	8	0	0	1	0	1	1
20	SOON	became	95.13207	13	12	1	0	0	2	0	10	0	0	0	0	1	0

10. The top 20 collocates of *used* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	used	1124.224	245	9	236	4	0	1	4	0	0	137	15	36	31	17
2	THE	used	941.6721	316	153	163	31	36	41	44	1	0	42	35	26	28	32
3	AND	used	634.3242	184	94	90	14	25	22	12	21	0	2	8	33	28	19
4	WERE	used	490.5398	114	104	10	2	1	3	23	75	0	1	1	2	3	3
5	WAS	used	323.2943	91	86	5	2	1	3	18	62	0	1	0	0	2	2
6	FOR	used	317.2896	71	3	68	2	1	0	0	0	0	46	5	5	8	4
7	THEY	used	272.5143	63	56	7	2	2	10	11	31	0	0	1	1	3	2
8	AS	used	237.4541	57	6	51	2	0	2	1	1	0	25	4	12	6	4
9	BE	used	216.1954	42	39	3	0	0	1	0	38	0	0	1	0	2	0
10	A	used	180.7912	72	26	46	8	8	6	4	0	0	14	12	8	5	7
11	BY	used	156.1299	44	6	38	3	3	0	0	0	0	31	1	1	3	2
12	COULD	used	154.2804	29	27	2	0	1	5	21	0	0	0	0	2	0	0
13	IN	used	150.5472	78	15	63	7	4	3	1	0	0	37	5	8	7	6
14	STEAM	used	133.4375	16	10	6	1	4	3	2	0	0	1	0	3	0	2
15	METHODS	used	126.4006	15	13	2	0	2	1	7	3	0	0	2	0	0	0
16	TACTICS	used	124.6072	13	6	7	0	1	0	1	4	0	0	4	2	0	1
17	WHICH	used	121.255	28	18	10	0	0	9	6	3	0	0	1	2	6	1
18	OF	used	112.9366	75	40	35	13	8	12	7	0	0	0	5	11	11	8
19	THAT	used	105.8864	35	33	2	7	8	10	8	0	0	0	0	0	0	2
20	DESCRIBE	used	103.8175	16	9	7	1	3	5	0	0	0	0	7	0	0	0

11. The top 20 collocates of *made* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	made	880.0635	298	154	144	31	39	46	38	0	0	32	29	22	33	28
2	OF	made	640.6608	187	55	132	12	21	15	7	0	0	42	18	30	18	24
3	AND	made	546.298	165	85	80	15	9	22	21	18	0	11	9	23	23	14
4	BY	made	243.6232	58	6	52	1	4	1	0	0	0	31	5	9	3	4
5	TO	made	235.8726	93	19	74	5	5	5	4	0	0	21	11	17	11	14
6	IT	made	233.8962	47	19	28	2	2	2	5	8	0	26	1	1	0	0
7	WAS	made	228.7034	72	63	9	3	4	3	2	51	0	0	1	4	2	2
8	WERE	made	220.9591	67	65	2	5	3	3	10	44	0	1	0	0	0	1
9	WHICH	made	163.8504	34	27	7	2	3	2	3	17	0	0	0	2	4	1
10	IN	made	146.0727	75	27	48	6	8	6	7	0	0	12	5	12	8	11
11	A	made	143.9335	62	20	42	5	3	8	4	0	0	15	12	9	3	3
12	FROM	made	143.8056	38	4	34	2	0	1	1	0	0	28	1	0	1	4
13	FOR	made	141.7385	41	3	38	0	1	2	0	0	0	3	6	13	12	4
14	THAT	made	129.7364	39	28	11	2	9	11	1	5	0	0	4	1	3	3
15	EASIER	made	128.9564	13	0	13	0	0	0	0	0	0	1	9	2	0	1
16	UP	made	124.7565	26	0	26	0	0	0	0	0	0	26	0	0	0	0
17	OR	made	122.2801	31	17	14	1	1	3	3	9	0	0	0	9	3	2
18	HE	made	118.374	34	24	10	1	0	1	2	20	0	0	2	2	4	2
19	MORE	made	116.8395	24	6	18	1	3	1	1	0	0	0	9	4	2	3
20	THIS	made	104.9329	28	23	5	0	4	5	5	9	0	1	3	0	1	0

12. The top 20 collocates of *called* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	called	998.2811	315	79	236	25	25	15	14	0	0	152	19	14	26	25
2	A	called	944.8452	196	128	68	15	23	53	37	0	0	51	4	2	4	7
3	WAS	called	426.2619	106	83	23	5	1	5	5	67	0	1	4	8	7	3
4	THIS	called	313.0938	59	57	2	5	6	23	23	0	0	1	0	0	1	0
5	WERE	called	290.3284	79	62	17	7	5	2	5	43	0	0	6	3	5	3
6	IS	called	257.5372	48	43	5	2	0	1	6	34	0	0	0	0	5	0
7	OF	called	211.194	99	53	46	5	12	18	18	0	0	0	2	24	13	7
8	IN	called	180.4836	83	60	23	13	18	26	3	0	0	0	4	8	6	5
9	BECAUSE	called	154.7256	25	0	25	0	0	0	0	0	0	6	8	5	5	1
10	OR	called	154.2513	36	5	31	1	2	1	1	0	0	0	10	6	12	3
11	AND	called	151.2921	80	39	41	9	9	14	5	2	0	0	11	13	10	7
12	NEW	called	149.2003	29	24	5	2	6	5	11	0	0	1	1	1	1	1
13	TO	called	146.6087	71	30	41	13	9	5	3	0	0	2	7	12	5	15
14	THEY	called	136.5847	39	22	17	2	2	1	9	8	0	0	3	6	2	6
15	AN	called	116.3458	28	20	8	2	3	6	9	0	0	5	0	0	0	3
16	HE	called	93.26591	29	26	3	3	6	3	2	12	0	0	0	1	1	1
17	FORMED	called	81.10176	12	8	4	2	4	2	0	0	0	0	1	1	1	1
18	WHICH	called	76.10258	20	8	12	1	0	3	3	1	0	0	1	4	5	2
19	ON	called	75.90731	27	10	17	2	4	4	0	0	0	11	0	3	3	0
20	BOOK	called	67.40491	10	10	0	0	0	0	0	10	0	0	0	0	0	0

13. The top 20 collocates of *year* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	year	1169.844	339	181	158	24	17	49	45	46	0	9	50	21	15	63
2	IN	year	975.0472	223	109	114	7	77	9	16	0	0	7	3	6	89	9
3	CHANGE	year	840.6118	89	42	47	41	0	0	0	1	0	0	0	45	0	2
4	RELATIONS	year	763.5699	79	35	44	35	0	0	0	0	0	0	1	38	0	5
5	CENTURY	year	564.212	80	80	0	1	2	1	41	35	0	0	0	0	0	0
6	ANCIENT	year	360.6856	45	20	25	0	1	0	19	0	0	0	22	0	1	2
7	INTERNATIONAL	year	359.2191	43	0	43	0	0	0	0	0	0	0	38	0	4	1
8	POLITICAL	year	238.5672	35	3	32	0	0	1	1	1	0	0	31	0	1	0
9	SOCIETY	year	233.5093	29	12	17	1	0	1	0	10	0	0	0	13	3	1
10	MEDIEVAL	year	229.7104	30	13	17	1	0	1	11	0	0	0	14	1	1	1
11	A	year	221.5874	78	47	31	0	7	2	11	27	0	7	9	7	4	4
12	OF	year	179.1987	90	41	49	10	8	8	12	3	0	10	2	9	14	14
13	EACH	year	144.1408	25	25	0	1	1	0	1	22	0	0	0	0	0	0
14	RENAISSANCE	year	138.7672	22	9	13	0	0	0	0	9	0	0	0	12	0	1
15	TO	year	126.1439	65	39	26	17	8	5	7	2	0	5	3	4	9	5
16	FIND	year	121.9451	16	7	9	7	0	0	0	0	0	0	0	0	9	0
17	AND	year	104.7229	66	33	33	10	10	6	4	3	0	8	5	9	4	7
18	SOCIAL	year	89.72924	15	0	15	0	0	0	0	0	0	0	14	0	1	0
19	PLANS	year	82.43819	10	0	10	0	0	0	0	0	0	10	0	0	0	0
20	OUT	year	79.93563	17	8	9	0	7	1	0	0	0	0	0	0	0	9

14. The top 20 collocates of *land* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	land	1557.279	392	247	145	27	35	23	20	142	0	0	52	39	28	26
2	OF	land	679.1359	190	128	62	11	12	7	43	55	0	16	8	7	17	14
3	TO	land	599.6019	159	76	83	11	9	30	18	8	0	25	18	11	14	15
4	AND	land	437.9185	142	46	96	11	10	15	4	6	0	39	4	14	17	22
5	OWNERSHIP	land	406.971	35	8	27	0	3	2	3	0	0	27	0	0	0	0
6	IN	land	375.3563	124	47	77	8	7	7	4	21	0	34	16	3	12	12
7	THEIR	land	247.3931	53	38	15	4	4	1	1	28	0	0	7	4	2	2
8	WAS	land	240.8038	73	21	52	5	4	5	6	1	0	39	4	3	4	2
9	CHANGES	land	174.9682	24	23	1	1	0	2	20	0	0	0	0	0	1	0
10	OWNED	land	160.3214	18	10	8	3	2	1	4	0	0	3	4	0	0	1
11	FOR	land	156.6688	43	19	24	5	2	2	7	3	0	15	2	5	2	0
12	FARMERS	land	154.5849	22	16	6	3	7	4	2	0	0	0	1	2	2	1
13	ON	land	150.2015	41	30	11	2	2	6	18	2	0	5	1	4	0	1
14	A	land	145.1494	61	34	27	4	9	5	7	9	0	2	7	5	4	9
15	THEY	land	144.1015	40	25	15	9	6	8	2	0	0	6	2	2	3	2
16	WHO	land	140.4774	31	26	5	2	6	6	12	0	0	0	1	1	2	1
17	PLANTATION	land	126.5879	19	8	11	0	3	4	1	0	0	0	0	3	6	2
18	FROM	land	118.7847	33	10	23	1	0	0	8	1	0	14	4	2	2	1
19	WERE	land	113.3839	44	24	20	6	10	3	5	0	0	4	3	5	4	4
20	IRISH	land	105.544	26	12	14	2	5	2	0	3	0	0	5	2	4	3

15. The top 20 collocates of *army* in the history textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	army	444.0272	129	46	83	8	18	15	4	1	0	30	17	14	14	8
2	BRITISH	army	410.9518	61	58	3	2	3	1	2	50	0	1	0	2	0	0
3	AND	army	337.9863	119	43	76	6	9	11	16	1	0	29	6	15	10	16
4	OF	army	299.5673	115	69	46	9	20	24	14	2	0	10	6	5	12	13
5	IN	army	271.1168	100	49	51	15	6	19	9	0	0	18	7	7	12	7
6	GERMAN	army	226.1061	32	28	4	2	1	1	2	22	0	0	0	2	1	1
7	AN	army	223.811	43	39	4	2	1	2	7	27	0	1	1	1	1	0
8	CITIZEN	army	223.7502	20	20	0	0	0	0	0	20	0	0	0	0	0	0
9	DEFEATED	army	171.1314	21	10	11	0	4	4	2	0	0	4	1	1	0	5
10	IRISH	army	153.8056	33	32	1	0	0	0	22	10	0	0	0	1	0	0
11	A	army	152.3416	61	41	20	3	4	9	25	0	0	0	6	5	8	1
12	HAD	army	149.5495	36	11	25	2	3	3	3	0	0	15	3	5	1	1
13	CONTINEI	army	141.3723	14	12	2	0	0	0	4	8	0	0	0	1	0	1
14	ROMAN	army	127.2167	20	17	3	0	0	0	1	16	0	0	0	1	1	1
15	OFFICERS	army	122.827	13	1	12	0	0	1	0	0	0	11	1	0	0	0
16	ITALIAN	army	113.7077	15	15	0	0	0	0	0	15	0	0	0	0	0	0
17	SOLDIERS	army	113.6134	18	9	9	3	5	0	1	0	0	1	0	0	6	2
18	FRENCH	army	107.2104	18	16	2	0	1	0	0	15	0	0	1	1	0	0
19	JOINED	army	105.4391	14	11	3	0	0	9	2	0	0	2	0	0	1	0
20	SENT	army	100.4696	14	10	4	0	1	7	2	0	0	0	0	1	0	3

The top 20 collocates of the 15 most frequent content words in the CSPE textbooks corpus

1. The top 20 collocates of *people* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	people	2853.356	789	426	363	54	105	53	41	173	0	7	146	64	66	80
2	YOUNG	people	1627.981	179	169	10	3	0	2	1	163	0	2	0	1	6	1
3	TO	people	1554.683	427	187	240	28	23	40	78	18	0	79	33	52	45	31
4	OF	people	1413.803	405	282	123	46	33	38	75	90	0	51	10	13	27	22
5	IN	people	1197.13	330	65	265	28	18	10	9	0	0	127	38	31	45	24
6	WHO	people	821.9998	138	11	127	0	6	3	2	0	0	106	2	6	10	3
7	FOR	people	765.3843	197	112	85	12	7	8	61	24	0	30	3	9	34	9
8	AND	people	686.4299	243	116	127	17	34	16	38	11	0	25	8	25	46	23
9	ARE	people	635.236	163	60	103	13	20	9	13	5	0	54	18	9	12	10
10	HAVE	people	545.001	126	25	101	13	7	4	1	0	0	48	21	11	14	7
11	A	people	482.6115	205	111	94	31	36	35	7	2	0	6	34	17	15	22
12	BY	people	455.9683	105	77	28	23	6	5	37	6	0	19	2	2	4	1
13	THAT	people	391.5585	120	78	42	14	12	12	24	16	0	11	11	8	8	4
14	WITH	people	391.4103	98	30	68	7	4	3	11	5	0	31	6	18	8	5
15	MANY	people	354.9284	65	63	2	0	2	7	15	39	0	0	1	0	0	1
16	ABOUT	people	289.3594	73	31	42	5	8	8	8	2	0	4	11	11	8	8
17	COMMUNITY	people	275.8921	66	21	45	6	5	5	4	1	0	0	2	29	5	9
18	HOMELESS	people	255.5893	28	21	7	1	0	1	16	3	0	0	0	4	1	2
19	THEIR	people	239.9906	64	8	56	3	4	1	0	0	0	0	19	10	8	19
20	OLDER	people	235.2823	31	30	1	0	0	1	0	29	0	0	0	0	0	1

2. The top 20 collocates of *action* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PROJECT	action	3145.008	284	13	271	10	1	0	1	1	0	267	1	1	1	1
2	THE	action	826.9813	283	196	87	21	51	10	6	108	0	3	28	23	13	20
3	AN	action	572.3721	98	78	20	2	7	1	1	67	0	2	7	4	1	6
4	REPORT	action	531.5516	61	47	14	0	4	41	2	0	0	0	7	1	1	5
5	YOUR	action	435.0702	81	73	8	4	3	0	1	65	0	0	0	4	0	4
6	ON	action	411.3429	89	63	26	0	0	7	54	2	0	7	6	2	8	3
7	OF	action	388.2483	138	103	35	10	4	4	57	28	0	1	0	3	15	16
8	A	action	319.3308	116	53	63	12	23	9	9	0	0	2	10	19	18	14
9	YOU	action	305.303	77	34	43	11	9	14	0	0	0	8	14	8	8	5
10	INVOLVEMENT	action	268.0698	26	1	25	0	0	0	0	1	0	20	5	0	0	0
11	THIS	action	250.0293	57	36	21	0	5	3	5	23	0	2	6	6	0	7
12	UNDERTAKEN	action	242.7366	23	13	10	12	1	0	0	0	0	5	1	0	4	0
13	IN	action	217.7972	88	52	36	9	3	8	22	10	0	10	2	4	6	14
14	PART	action	213.1134	35	27	8	0	2	25	0	0	0	0	0	5	0	3
15	COMMUNITY	action	208.1664	43	37	6	1	0	1	6	29	0	0	0	3	1	2
16	TO	action	203.5356	96	49	47	15	4	17	12	1	0	13	4	5	15	10
17	FOR	action	180.8003	60	43	17	9	1	4	14	15	0	2	10	0	2	3
18	MARKS	action	177.9132	28	5	23	2	0	2	1	0	0	0	3	11	8	1
19	AS	action	176.033	44	28	16	1	24	0	3	0	0	0	6	0	3	7
20	TAKE	action	172.9458	30	17	13	0	1	0	2	14	0	0	0	8	2	3

3. The top 20 collocates of *community* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	community	1855.639	435	316	119	34	38	23	95	126	0	14	36	17	29	23
2	IN	community	657.7231	169	115	54	10	5	17	80	3	0	11	12	11	10	10
3	A	community	627.2388	172	116	56	21	14	9	22	50	0	7	12	13	13	11
4	LOCAL	community	473.1161	76	59	17	4	3	2	2	48	0	2	2	5	5	3
5	OF	community	461.1842	151	112	39	16	15	28	41	12	0	8	0	6	11	14
6	INVOLVEMENT	community	360.4604	32	2	30	0	1	1	0	0	0	5	20	5	0	0
7	AND	community	360.4187	120	44	76	9	9	11	9	6	0	35	20	7	9	5
8	TO	community	316.7661	121	56	65	20	10	10	15	1	0	8	14	13	20	10
9	YOUR	community	279.6602	59	54	5	4	2	1	14	33	0	1	0	1	1	2
10	PEOPLE	community	275.8921	66	45	21	9	5	29	2	0	0	1	4	5	5	6
11	ACTION	community	208.1664	43	6	37	2	1	3	0	0	0	29	6	1	0	1
12	SCHOOL	community	200.547	38	27	11	2	3	6	3	13	0	8	1	1	1	0
13	ALERT	community	166.1981	14	1	13	0	1	0	0	0	0	13	0	0	0	0
14	NEIGHBOURHOOD	community	164.4399	17	12	5	1	2	3	3	3	0	0	0	4	1	0
15	GAMES	community	131.533	15	1	14	1	0	0	0	0	0	12	0	1	1	0
16	FOR	community	126.3279	48	34	14	5	3	6	13	7	0	2	2	3	3	4
17	EUROPEAN	community	125.514	26	21	5	2	4	0	5	10	0	0	2	2	0	1
18	CENTRE	community	122.0786	19	5	14	0	2	2	0	1	0	9	3	0	1	1
19	AS	community	120.1905	34	15	19	5	3	2	3	2	0	3	5	3	6	2
20	MEMBERS	community	119.7387	21	17	4	2	6	9	0	0	0	1	0	0	0	3

4. The top 20 collocates of *rights* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	HUMAN	rights	2866.361	245	227	18	0	2	1	14	210	0	0	1	3	6	8
2	THE	rights	1140.001	332	207	125	65	37	18	19	68	0	4	54	27	22	18
3	OF	rights	982.3599	238	133	105	6	10	11	85	21	0	76	2	6	8	13
4	RESPONSIBILITIES	rights	846.1761	79	3	76	0	1	0	2	0	0	32	40	3	1	0
5	AND	rights	654.3936	172	54	118	11	8	10	11	14	0	81	8	13	9	7
6	DECLARATION	rights	424.3394	40	31	9	1	0	29	1	0	0	0	0	2	3	4
7	TO	rights	342.4611	126	73	53	19	27	21	6	0	0	8	10	7	16	12
8	UNIVERSAL	rights	301.1336	26	22	4	0	21	1	0	0	0	0	1	1	2	0
9	CONVENTION	rights	298.1862	30	22	8	0	0	22	0	0	0	0	0	1	5	2
10	ON	rights	231.8122	60	47	13	3	2	4	36	2	0	2	2	1	3	5
11	CHILD	rights	222.471	30	4	26	1	0	0	0	3	0	3	0	21	2	0
12	ABUSES	rights	220.2026	20	4	16	0	0	4	0	0	0	14	1	0	1	0
13	ARE	rights	219.2371	62	12	50	4	6	2	0	0	0	27	8	6	6	3
14	FOR	rights	215.5152	66	50	16	7	3	3	35	2	0	10	2	1	3	0
15	IN	rights	210.0517	85	26	59	12	5	7	2	0	0	9	12	14	13	11
16	UN [UNITED NATIONS]	rights	208.4722	30	19	11	4	15	0	0	0	0	0	0	6	3	2
17	DIGNITY	rights	205.3575	22	18	4	1	0	1	2	14	0	0	0	0	1	3
18	A	rights	200.2468	88	59	29	13	18	14	14	0	0	3	9	5	6	6
19	THAT	rights	186.5172	56	26	30	5	11	3	7	0	0	13	3	4	6	4
20	PROTECTION	rights	183.2139	22	17	5	0	1	11	0	5	0	1	2	2	0	0

5. The top 20 collocates of *local* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	local	954.7592	296	218	78	19	41	31	6	121	0	0	5	35	11	27
2	AUTHORITIES	local	713.6714	64	2	62	1	0	0	0	1	0	56	1	5	0	0
3	AUTHORITY	local	627.6584	59	0	59	0	0	0	0	0	0	55	2	1	0	1
4	A	local	557.1687	157	130	27	17	32	7	4	70	0	0	1	11	9	6
5	AND	local	497.4795	143	60	83	4	11	12	11	22	0	13	35	11	12	12
6	COMMUNITY	local	473.1161	76	17	59	3	5	5	2	2	0	48	2	2	3	4
7	TO	local	438.3545	143	72	71	9	7	11	34	11	0	0	31	12	12	16
8	GOVERNMENT	local	370.782	57	14	43	3	2	1	6	2	0	38	0	3	2	0
9	OF	local	369.0487	130	98	32	6	12	8	37	35	0	0	9	0	8	15
10	IN	local	301.6994	103	64	39	13	8	9	29	5	0	0	22	4	8	5
11	YOUR	local	244.5218	53	46	7	2	4	0	1	39	0	0	0	4	3	0
12	FOR	local	210.0457	64	42	22	13	7	3	13	6	0	0	4	3	8	7
13	ARE	local	174.9681	53	23	30	6	5	6	4	2	0	0	16	1	7	6
14	COUNCILLORS	local	166.4357	19	5	14	0	0	3	2	0	0	10	1	1	1	1
15	REPRESENTATIVES	local	152.6254	17	3	14	0	0	2	1	0	0	7	3	0	3	1
16	THEIR	local	140.7836	34	25	9	4	2	0	2	17	0	0	0	2	4	3
17	PEOPLE	local	130.7638	40	9	31	1	2	6	0	0	0	18	2	3	5	3
18	COUNCILLOR	local	121.6369	15	0	15	0	0	0	0	0	0	15	0	0	0	0
19	OR	local	120.529	35	15	20	0	2	1	5	7	0	3	10	4	1	2
20	WITH	local	114.587	33	24	9	4	2	1	7	10	0	0	0	1	3	5

6. The top 20 collocates of *world* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	world	2518.035	452	362	90	24	17	7	42	272	0	8	17	24	15	26
2	ARE	world	642.4294	119	92	27	9	3	4	76	0	0	8	8	4	3	4
3	WE	world	524.3597	84	76	8	3	2	71	0	0	0	2	0	2	2	2
4	IN	world	487.8859	129	103	26	17	6	33	47	0	0	9	2	4	6	5
5	AROUND	world	357.1396	40	39	1	1	0	0	38	0	0	1	0	0	0	0
6	SMALL	world	337.955	38	38	0	2	2	12	11	11	0	0	0	0	0	0
7	OF	world	304.2381	108	75	33	9	8	9	40	9	0	2	7	2	10	12
8	DAY	world	264.8643	41	12	29	2	3	4	0	3	0	1	18	1	6	3
9	A	world	223.0905	85	51	34	5	15	5	18	8	0	8	8	6	7	5
10	CARING	world	210.9312	20	18	2	0	0	18	0	0	0	1	0	0	0	1
11	DEVELOPING	world	200.5727	23	23	0	0	1	0	1	21	0	0	0	0	0	0
12	FOR	world	177.6916	54	33	21	5	2	5	19	2	0	4	8	0	3	6
13	CHANGING	world	153.0147	16	15	1	1	0	0	0	14	0	0	0	1	0	0
14	AND	world	149.3853	66	31	35	8	7	6	9	1	0	4	6	8	13	4
15	TO	world	147.2664	72	29	43	10	1	7	9	2	0	7	10	4	11	11
16	THIRD	world	143.5683	16	15	1	1	1	0	0	13	0	0	0	0	0	1
17	CROSSWORD	world	138.9773	13	1	12	0	1	0	0	0	0	12	0	0	0	0
18	WAR	world	137.9936	16	1	15	1	0	0	0	0	0	14	0	0	0	1
19	COUNTRIES	world	118.0375	21	18	3	3	4	11	0	0	0	2	0	0	1	0
20	IS	world	97.90511	38	15	23	6	4	2	3	0	0	7	6	4	4	2

7. The top 20 collocates of *work* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	work	1092.099	290	160	130	19	17	17	21	86	0	3	72	16	22	17
2	TO	work	624.2642	163	117	46	15	13	16	9	64	0	10	12	7	9	8
3	OF	work	565.1564	154	60	94	2	8	10	16	24	0	73	0	6	8	7
4	COURSE	work	360.9066	40	38	2	1	0	0	0	37	0	0	0	1	0	1
5	IN	work	335.3348	101	35	66	7	9	5	14	0	0	34	3	6	13	10
6	AND	work	331.5522	103	47	56	8	10	11	2	16	0	19	9	9	11	8
7	MODULE	work	223.11	25	6	19	0	0	0	6	0	0	17	0	1	0	1
8	THEIR	work	216.9283	43	32	11	0	3	1	0	28	0	1	3	2	4	1
9	A	work	187.7132	76	37	39	10	10	11	5	1	0	2	14	7	10	6
10	FOR	work	186.6336	55	27	28	0	3	7	15	2	0	19	1	3	3	2
11	ASSESSMENT	work	152.3421	18	1	17	0	0	1	0	0	0	16	0	0	0	1
12	ON	work	130.7344	38	15	23	2	6	3	3	1	0	11	5	1	2	4
13	WITH	work	128.05	33	12	21	1	2	1	6	2	0	11	3	3	2	2
14	BOOK	work	123.9007	17	1	16	0	0	0	1	0	0	1	15	0	0	0
15	WHO	work	117.1182	26	22	4	3	4	6	0	9	0	0	0	0	3	1
16	ABOUT	work	115.0891	28	23	5	0	0	1	22	0	0	0	0	4	1	0
17	HOURS	work	115.0179	13	3	10	0	0	2	1	0	0	0	5	2	2	1
18	PEOPLE	work	108.8321	33	21	12	1	6	5	5	4	0	0	0	7	3	2
19	THEY	work	98.35084	26	15	11	2	3	2	4	4	0	1	4	2	2	2
20	IS	work	95.7795	37	11	26	3	5	2	1	0	0	6	7	3	7	3

8. The top 20 collocates of *school* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IN	school	756.0484	165	129	36	3	9	6	87	24	0	12	4	7	7	6
2	YOUR	school	650.842	99	91	8	0	0	3	3	85	0	0	2	1	4	1
3	TO	school	628.7188	160	99	61	15	10	20	25	29	0	19	9	10	13	10
4	THE	school	614.0737	206	136	70	15	17	7	9	88	0	5	20	21	12	12
5	A	school	363.4692	109	65	44	20	15	4	12	14	0	6	10	13	10	5
6	COMMUNITY	school	200.547	38	11	27	0	1	1	1	8	0	13	3	6	3	2
7	STUDENTS	school	194.4889	28	20	8	2	6	11	1	0	0	2	1	2	1	2
8	FOR	school	182.2995	53	38	15	10	4	3	16	5	0	4	3	1	3	4
9	AND	school	161.1437	66	24	42	6	8	4	5	1	0	22	5	3	5	7
10	OF	school	138.19	67	48	19	11	9	6	19	3	0	0	4	4	6	5
11	OR	school	133.0708	34	13	21	3	2	3	2	3	0	6	9	2	3	1
12	GO	school	130.353	19	18	1	0	4	3	11	0	0	0	0	0	0	1
13	CLASS	school	101.0505	20	12	8	4	2	2	3	1	0	0	0	0	2	6
14	MY	school	92.31744	17	14	3	2	1	0	1	10	0	0	0	2	0	1
15	ON	school	87.94316	29	17	12	2	5	3	6	1	0	2	5	2	2	1
16	AT	school	83.4214	22	16	6	1	2	1	2	10	0	2	3	1	0	0
17	CHILDREN	school	80.57973	17	8	9	1	1	3	3	0	0	2	2	3	1	1
18	NUMBER	school	71.17593	13	7	6	2	2	0	1	2	0	0	3	1	0	2
19	FROM	school	68.60041	20	17	3	1	2	6	3	5	0	0	1	0	0	2
20	DAY	school	68.15083	15	11	4	0	2	7	2	0	0	0	2	1	0	1

9. The top 20 collocates of *government* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	government	1823.126	349	246	103	20	34	22	26	144	0	8	33	17	21	24
2	OF	government	467.2179	128	93	35	13	9	10	31	30	0	9	2	6	8	10
3	AND	government	382.6427	105	32	73	3	5	6	18	0	0	30	9	9	11	14
4	LOCAL	government	370.782	57	43	14	0	2	3	0	38	0	2	6	1	2	3
5	TO	government	360.9641	109	49	60	11	9	16	9	4	0	20	9	10	8	13
6	IS	government	251.8198	63	27	36	7	11	4	4	1	0	25	3	5	2	1
7	A	government	249.2704	83	53	30	8	8	6	13	18	0	3	6	6	9	6
8	IN	government	199.8935	69	33	36	9	3	6	6	9	0	5	12	5	8	6
9	BY	government	186.2222	39	25	14	1	4	0	20	0	0	3	3	3	4	1
10	ON	government	138.284	37	20	17	2	3	4	7	4	0	2	8	2	4	1
11	POLICY	government	136.0351	16	2	14	1	1	0	0	0	0	12	0	1	0	1
12	COALITION	government	129.82	13	12	1	0	0	3	1	8	0	0	0	0	0	1
13	DEPARTMENTS	government	126.1378	12	1	11	0	0	1	0	0	0	11	0	0	0	0
14	HEAD	government	109.8401	12	10	2	0	0	6	4	0	0	0	1	1	0	0
15	FOR	government	109.5348	37	18	19	5	2	3	6	2	0	4	1	5	7	2
16	OPPOSITION	government	98.44337	10	1	9	1	0	0	0	0	0	1	3	3	1	1
17	TAOISEACH	government	93.66945	13	7	6	2	2	3	0	0	0	0	0	3	3	0
18	IRISH	government	91.16312	18	16	2	2	0	0	1	13	0	2	0	0	0	0
19	ENVIRONMENT	government	87.36768	15	14	1	1	0	12	1	0	0	0	0	1	0	0
20	MINISTERS	government	87.29209	12	4	8	2	1	1	0	0	0	7	1	0	0	0

10. The top 20 collocates of *project* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ACTION	project	3145.008	284	271	13	1	1	1	1	267	0	1	1	0	1	10
2	THE	project	897.1699	238	169	69	35	6	16	82	30	0	14	20	7	11	17
3	REPORT	project	569.6713	59	43	16	4	37	2	0	0	0	7	1	0	4	4
4	ON	project	464.786	84	58	26	0	7	48	3	0	0	9	2	8	1	6
5	AN	project	445.4467	72	65	7	5	0	1	59	0	0	0	2	1	4	0
6	YOUR	project	400.6535	67	61	6	2	0	1	57	1	0	0	4	1	1	0
7	A	project	311.4401	94	49	45	25	3	5	10	6	0	0	11	16	12	6
8	OF	project	293.5103	96	73	23	5	7	53	8	0	0	0	0	7	9	7
9	THIS	project	247.8508	49	36	13	5	2	4	20	5	0	1	4	0	6	2
10	DOING	project	228.0298	25	22	3	0	1	17	4	0	0	0	0	1	1	1
11	PART	project	220.2124	32	27	5	2	24	1	0	0	0	0	1	0	3	1
12	YOU	project	184.5086	47	14	33	6	8	0	0	0	0	9	6	5	5	8
13	AS	project	157.4339	35	29	6	22	1	5	1	0	0	3	0	2	0	1
14	WAS	project	150.1216	33	0	33	0	0	0	0	0	0	30	2	0	0	1
15	MY	project	145.9727	23	16	7	0	0	0	16	0	0	0	0	0	6	1
16	BASED	project	109.8131	14	0	14	0	0	0	0	0	0	0	13	0	1	0
17	IN	project	103.2212	47	27	20	3	6	17	1	0	0	4	2	5	6	3
18	MARKS	project	98.0369	16	2	14	0	2	0	0	0	0	0	9	4	1	0
19	DID	project	97.30074	16	8	8	3	3	2	0	0	0	0	6	0	2	0
20	TITLE	project	92.53648	11	8	3	0	8	0	0	0	0	0	3	0	0	0

11. The top 20 collocates of *European* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigt	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	AND	european	154.7857	60	24	36	5	2	7	6	4	0	3	16	5	5	7
2	A	european	142.722	59	39	20	6	11	1	2	19	0	0	2	7	5	6
3	TO	european	131.4991	60	38	22	5	8	10	14	1	0	0	5	2	11	4
4	COMMUNITY	european	125.514	26	5	21	1	0	2	2	0	0	10	5	0	4	2
5	THE	european		384	314	70	25	41	8	10	230	0	0	16	20	20	14
6	FUND	european	93.16134	11	5	6	1	1	0	1	2	0	0	4	1	0	1
7	MEMBERS	european	89.53098	15	11	4	1	0	10	0	0	0	0	1	0	2	1
8	UP	european	77.15012	18	13	5	3	0	1	9	0	0	0	0	0	3	2
9	BY	european	70.59023	20	15	5	3	1	1	10	0	0	0	1	0	3	1
10	MINISTERS	european	69.79205	10	7	3	3	2	0	2	0	0	0	0	1	0	2
11	UNION	european	1189.148	97	9	88	2	2	3	2	0	0	86	0	0	0	2
12	PARLIAMENT	european	719.5704	69	2	67	0	1	0	1	0	0	63	1	0	1	2
13	OF	european	596.4142	146	101	45	16	11	6	63	5	0	0	26	1	7	11
14	COMMISSION	european	317.2139	31	3	28	1	0	1	1	0	0	23	0	1	3	1
15	COURT	european	247.1796	32	4	28	1	1	2	0	0	0	24	0	0	1	3
16	COUNCIL	european	180.7593	29	14	15	1	2	10	1	0	0	8	0	3	4	0
17	IN	european	172.4884	62	41	21	6	6	4	23	2	0	0	6	4	4	7
18	JUSTICE	european	152.3779	17	2	15	1	0	0	1	0	0	0	0	14	0	1
19	WAS	european	61.16372	18	4	14	0	3	1	0	0	0	0	7	1	4	2
20	CENTRE	european	60.34133	10	0	10	0	0	0	0	0	0	0	6	4	0	0

12. The top 20 collocates of *make* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	make	1002.268	200	151	49	10	9	4	1	127	0	6	6	15	9	13
2	SURE	make	647.4788	59	1	58	0	1	0	0	0	0	58	0	0	0	0
3	A	make	508.496	125	20	105	4	7	9	0	0	0	66	17	11	4	7
4	THE	make	471.8797	164	71	93	15	20	24	8	4	0	20	9	21	23	20
5	AND	make	294.4414	87	51	36	5	9	9	6	22	0	4	9	5	9	9
6	THAT	make	236.365	55	9	46	1	4	1	2	1	0	1	32	5	7	1
7	YOU	make	171.078	44	28	16	2	5	5	8	8	0	1	10	3	0	2
8	OF	make	166.4725	68	16	52	3	9	3	1	0	0	0	7	31	7	7
9	DIFFERENCE	make	115.4611	12	0	12	0	0	0	0	0	0	0	9	3	0	0
10	LIST	make	114.0937	17	0	17	0	0	0	0	0	0	0	15	2	0	0
11	HISTORY	make	108.7525	11	1	10	1	0	0	0	0	0	0	9	0	0	1
12	IS	make	103.3031	35	18	17	1	6	7	4	0	0	0	0	5	5	7
13	LAWS	make	100.9369	15	2	13	0	0	1	1	0	0	5	2	2	2	2
14	IT	make	94.0598	26	12	14	3	2	2	4	1	0	9	1	2	2	0
15	POSTERS	make	86.90936	11	1	10	0	1	0	0	0	0	8	1	1	0	0
16	CAN	make	86.70753	20	17	3	2	2	2	3	8	0	0	0	2	1	0
17	FOR	make	85.41135	31	13	18	1	6	5	1	0	0	0	5	3	3	7
18	POVERTY	make	78.56142	11	0	11	0	0	0	0	0	0	9	0	0	2	0
19	TEAM	make	72.60342	10	4	6	1	0	2	1	0	0	0	4	1	1	0
20	AN	make	66.45711	19	3	16	0	1	2	0	0	0	7	1	3	1	4

13. The top 20 collocates of *Irish* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	Irish	1300.212	279	211	68	18	25	17	15	136	0	0	7	21	23	17
2	TIMES	Irish	434.3643	41	1	40	1	0	0	0	0	0	40	0	0	0	0
3	OF	Irish	290.5173	92	58	34	5	9	6	24	14	0	0	7	2	9	16
4	AND	Irish	157.377	59	23	36	6	5	3	5	4	0	9	15	3	5	4
5	ARE	Irish	143.3101	39	13	26	2	2	3	3	3	0	1	9	10	4	2
6	TO	Irish	138.5346	60	28	32	3	6	3	13	3	0	1	8	6	8	9
7	HAVE	Irish	134.5322	32	12	20	2	6	1	2	1	0	0	10	6	1	3
8	PEOPLE	Irish	133.4629	34	2	32	0	0	1	1	0	0	25	0	2	1	4
9	AN	Irish	96.91943	24	20	4	0	2	0	1	17	0	0	1	1	0	2
10	FORCES	Irish	93.93884	11	2	9	0	1	0	1	0	0	0	8	1	0	0
11	SOCIETY	Irish	91.4223	12	0	12	0	0	0	0	0	0	11	1	0	0	0
12	GOVERNMENT	Irish	91.16312	18	2	16	0	0	0	0	2	0	13	1	0	0	2
13	A	Irish	79.86156	42	18	24	5	7	4	2	0	0	0	3	8	7	6
14	FOR	Irish	78.50859	29	12	17	2	3	2	2	3	0	0	12	1	0	4
15	IS	Irish	72.969	28	11	17	5	3	0	3	0	0	0	6	5	3	3
16	CITIZENS	Irish	69.14346	10	1	9	1	0	0	0	0	0	7	0	0	1	1
17	IN	Irish	63.9247	35	23	12	8	2	2	7	4	0	0	3	5	3	1
18	COMMUNITY	Irish	63.57544	16	6	10	2	1	1	1	1	0	3	3	1	1	2
19	MANY	Irish	62.0878	13	11	2	1	1	0	0	9	0	0	0	0	2	0
20	BY	Irish	61.98648	18	12	6	2	3	2	5	0	0	0	0	2	2	2

14. The top 20 collocates of *class* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	class	698.6017	199	141	58	16	21	0	5	99	0	3	14	17	11	13
2	TO	class	679.1992	154	79	75	8	18	10	41	2	0	23	20	13	10	9
3	YOUR	class	465.7333	73	70	3	1	2	1	14	52	0	1	2	0	0	0
4	A	class	377.1676	102	64	38	9	15	5	10	25	0	3	10	6	12	7
5	IN	class	350.82	93	66	27	1	2	4	43	16	0	5	3	3	12	4
6	INTO	class	257.0183	35	8	27	0	0	1	4	3	0	19	4	3	1	0
7	GROUPS	class	255.0062	36	5	31	1	0	4	0	0	0	5	14	8	2	2
8	STUDENTS	class	217.5933	29	21	8	1	1	17	2	0	0	1	1	2	0	4
9	CSPE	class	200.8665	25	25	0	0	2	1	0	22	0	0	0	0	0	0
10	DIVIDE	class	198.9386	19	19	0	1	0	0	18	0	0	0	0	0	0	0
11	MY	class	176.8338	26	19	7	1	0	0	2	16	0	0	0	0	0	7
12	TALK	class	170.1453	19	19	0	1	2	16	0	0	0	0	0	0	0	0
13	AND	class	134.9985	54	24	30	4	5	8	7	0	0	14	3	6	4	3
14	OF	class	133.2646	59	36	23	8	3	5	18	2	0	1	3	4	11	4
15	INTERESTING	class	118.7825	12	1	11	0	0	0	0	1	0	1	5	0	4	1
16	THIS	class	114.4389	28	24	4	0	4	1	0	19	0	0	1	2	1	0
17	ABOUT	class	111.5554	25	2	23	0	0	0	1	1	0	14	2	1	6	0
18	SCHOOL	class	101.0505	20	8	12	6	2	0	0	0	0	1	3	2	2	4
19	YOU	class	91.22557	29	15	14	4	2	9	0	0	0	1	5	3	4	1
20	THAT	class	89.70459	29	18	11	4	5	6	3	0	0	2	1	3	1	4

15. The top 20 collocates of *children* in the CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	children	539.1949	172	93	79	21	17	16	5	34	0	8	34	11	14	12
2	TO	children	439.1081	117	52	65	10	19	7	6	10	0	13	10	11	24	7
3	AND	children	387.1596	101	63	38	8	9	19	9	18	0	14	1	10	6	7
4	STREET	children	361.0647	39	36	3	1	0	1	0	34	0	0	0	2	0	1
5	OF	children	271.7455	88	56	32	12	5	14	17	8	0	6	1	4	15	6
6	FOR	children	245.1517	59	52	7	8	7	3	16	18	0	1	1	2	1	2
7	WHO	children	162.2456	30	5	25	1	1	2	1	0	0	21	0	1	1	2
8	IN	children	162.1399	58	14	44	5	6	2	0	1	0	21	7	7	4	5
9	ARE	children	155.8193	41	10	31	3	2	5	0	0	0	19	3	1	3	5
10	FREE	children	154.186	18	15	3	0	0	2	12	1	0	0	0	1	1	1
11	LOANED	children	149.0098	12	12	0	12	0	0	0	0	0	0	0	0	0	0
12	THEIR	children	133.4457	28	16	12	0	0	1	2	13	0	0	7	3	0	2
13	WITH	children	122.351	29	15	14	0	0	0	10	5	0	4	0	6	1	3
14	A	children	116.3363	51	23	28	8	10	4	1	0	0	3	9	8	3	5
15	RIGHTS	children	115.8983	24	18	6	7	2	5	4	0	0	1	0	3	1	1
16	HAVE	children	110.8433	28	2	26	1	0	0	1	0	0	14	7	2	2	1
17	RIGHT	children	110.7477	18	3	15	2	1	0	0	0	0	0	3	12	0	0
18	THAT	children	105.6844	32	28	4	3	4	4	9	8	0	1	2	0	0	1
19	YOUNG	children	101.3003	17	6	11	1	3	0	0	2	0	1	6	2	1	1
20	BY	children	90.80031	23	15	8	0	0	1	12	2	0	1	4	0	3	0

The top 20 collocates of the 15 most frequent content words in the mathematics textbooks corpus

1. The top 20 collocates of *find* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	find	5690.471	1020	93	927	25	27	34	7	0	0	0	25	732	94	76
2	VALUE	find	1886.373	257	11	246	4	4	0	3	0	0	0	222	10	14	0
3	TO	find	1233.635	277	246	31	7	6	9	16	208	0	5	5	7	5	9
4	EQUATION	find	986.9337	157	69	88	1	6	1	58	3	0	0	86	2	0	0
5	AND	find	896.1487	252	132	120	46	33	30	10	13	0	0	10	21	30	59
6	VALUES	find	862.35	127	8	119	2	0	6	0	0	0	2	59	43	15	0
7	IMAGE	find	706.6981	102	2	100	0	2	0	0	0	0	0	98	0	1	1
8	A	find	631.6345	252	88	164	20	20	11	23	14	0	36	17	4	74	33
9	SLOPE	find	544.7536	80	20	60	2	16	2	0	0	0	10	44	5	0	1
10	POINT	find	475.7323	93	11	82	5	1	3	1	1	0	15	9	8	14	36
11	FOR	find	459.7723	113	29	84	22	5	2	0	0	0	0	0	5	14	65
12	COORDINATES	find	427.3766	50	5	45	4	1	0	0	0	0	0	40	4	0	1
13	AREA	find	403.3695	89	15	74	4	7	2	2	0	0	2	58	9	2	3
14	SOLVE	find	360.1255	68	67	1	8	56	3	0	0	0	0	0	0	0	1
15	LINE	find	342.7447	80	14	66	4	2	4	2	2	0	0	0	5	16	45
16	GRAPH	find	330.5512	65	59	6	4	0	19	22	14	0	0	0	1	0	5
17	IF	find	311.6641	80	52	28	18	21	11	0	2	0	0	14	4	2	8
18	HENCE	find	298.6636	46	43	3	2	0	17	0	24	0	0	0	2	1	0
19	USE	find	296.1968	53	48	5	13	30	5	0	0	0	0	0	1	2	2
20	WE	find	259.5577	59	51	8	1	12	14	12	12	0	0	3	1	1	3

2. The top 20 collocates of *cm (centimetres)* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	cm	2551.887	574	414	160	146	64	128	76	0	0	8	24	36	64	28
2	AND	cm	1989.199	398	144	254	48	21	67	8	0	0	169	3	8	48	26
3	IS	cm	1696.487	347	261	86	5	8	26	222	0	0	30	8	12	14	22
4	RADIUS	cm	1510.514	172	133	39	3	18	58	54	0	0	1	8	18	9	3
5	HEIGHT	cm	1464.484	176	98	78	10	3	32	52	1	0	0	42	16	11	9
6	LENGTH	cm	1229.202	162	89	73	11	3	24	51	0	0	6	31	13	13	10
7	A	cm	806.8859	268	196	72	63	122	8	3	0	0	3	23	14	22	10
8	THE	cm	783.0668	362	182	180	57	99	19	7	0	0	15	53	30	31	51
9	ITS	cm	668.1381	97	39	58	2	37	0	0	0	0	2	31	21	1	3
10	VOLUME	cm	558.5972	85	27	58	8	10	7	2	0	0	15	9	19	8	7
11	DIAMETER	cm	444.8005	51	47	4	3	3	19	22	0	0	1	1	0	1	1
12	BY	cm	430.6323	89	52	37	9	1	8	34	0	0	25	2	1	9	0
13	CYLINDER	cm	423.9684	58	47	11	10	14	19	4	0	0	0	1	0	3	7
14	AREA	cm	354.9842	77	41	36	17	12	4	8	0	0	5	3	14	5	9
15	HAS	cm	349.9959	57	51	6	42	3	6	0	0	0	2	0	1	2	1
16	SPHERE	cm	315.1292	40	33	7	5	12	13	3	0	0	0	1	1	4	1
17	WIDTH	cm	286.0954	41	24	17	4	2	7	11	0	0	5	6	2	3	1
18	BREADTH	cm	276.2575	29	14	15	1	1	9	3	0	0	1	0	8	6	0
19	CALCULATE	cm	256.8526	70	7	63	1	5	0	1	0	0	42	12	4	2	3
20	BASE	cm	236.4379	36	29	7	4	4	18	3	0	0	0	2	4	1	0

3. The top 20 collocates of *number* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	number	5456.115	1044	782	262	79	51	31	242	379	0	18	46	39	91	68
2	OF	number	3725.136	716	162	554	30	21	52	59	0	0	471	1	41	24	17
3	IS	number	1222.028	274	116	158	24	18	57	17	0	0	97	16	14	4	27
4	A	number	1182.843	331	241	90	28	22	15	82	94	0	3	28	14	24	21
5	WHO	number	722.0663	79	2	77	1	1	0	0	0	0	31	0	45	1	0
6	TO	number	558.6767	152	94	58	13	34	39	8	0	0	9	10	17	11	11
7	IN	number	554.7303	162	52	110	18	14	9	11	0	0	32	4	53	12	9
8	PEOPLE	number	552.5964	79	5	74	1	1	1	1	1	0	0	72	0	0	2
9	AND	number	452.5474	151	62	89	18	17	16	7	4	0	18	5	27	15	24
10	TIMES	number	422.0934	53	31	22	0	0	19	12	0	0	0	5	7	2	8
11	BY	number	418.7888	86	42	44	2	8	16	16	0	0	7	2	16	15	4
12	PUPILS	number	399.436	58	3	55	0	1	2	0	0	0	0	50	1	3	1
13	WHOLE	number	345.196	38	29	9	2	0	0	0	27	0	0	0	4	3	2
14	LARGER	number	343.3985	35	25	10	0	0	0	0	25	0	0	0	2	5	3
15	THAT	number	338.4542	73	11	62	1	1	5	4	0	0	28	4	21	6	3
16	PRIME	number	326.4723	36	33	3	3	3	0	0	27	0	0	2	1	0	0
17	TOTAL	number	318.3147	51	47	4	2	2	2	0	41	0	0	0	0	1	3
18	ON	number	295.0406	72	38	34	2	1	6	29	0	0	1	0	17	12	4
19	PER	number	291.4897	46	5	41	1	0	2	2	0	0	0	0	30	8	3
20	LESS	number	284.5967	35	13	22	7	3	3	0	0	0	14	0	2	2	4

4. The top 20 collocates of *calculate* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	calculate	7048.971	1175	110	1065	31	44	19	16	0	0	667	100	18	158	122
2	OF	calculate	3066.934	628	86	542	23	32	29	2	0	0	0	17	343	132	50
3	ITS	calculate	827.6052	112	22	90	16	5	1	0	0	0	55	22	0	2	11
4	VALUE	calculate	718.2128	119	2	117	0	2	0	0	0	0	0	99	10	7	1
5	AREA	calculate	591.8338	108	6	102	2	1	2	1	0	0	3	58	19	13	9
6	TO	calculate	442.2528	130	71	59	12	7	1	1	50	0	13	2	12	12	20
7	RADIUS	calculate	427.7233	66	11	55	4	6	0	0	1	0	1	39	10	0	5
8	HEIGHT	calculate	425.3375	69	12	57	1	10	1	0	0	0	0	33	20	4	0
9	AMOUNT	calculate	407.5424	58	0	58	0	0	0	0	0	0	0	28	29	1	0
10	MEAN	calculate	392.9373	61	2	59	2	0	0	0	0	0	0	57	2	0	0
11	INTEREST	calculate	352.4901	54	4	50	0	0	3	1	0	0	0	20	17	11	2
12	TOTAL	calculate	303.6596	49	2	47	1	0	0	0	1	0	0	38	8	1	0
13	LENGTH	calculate	303.51	57	13	44	2	7	2	0	2	0	0	21	18	5	0
14	AND	calculate	263.06	109	55	54	13	24	10	4	4	0	0	4	17	18	15
15	CM	calculate	256.8526	70	63	7	3	2	4	12	42	0	0	1	0	5	1
16	VOLUME	calculate	254.2385	47	2	45	1	1	0	0	0	0	0	31	11	1	2
17	TAX	calculate	238.3959	46	12	34	8	1	3	0	0	0	0	8	7	6	13
18	A	calculate	233.1245	131	55	76	13	16	9	8	9	0	15	4	3	30	24
19	IN	calculate	213.7914	91	26	65	11	7	5	3	0	0	11	1	15	17	21
20	CORRECT	calculate	194.5166	35	0	35	0	0	0	0	0	0	1	11	9	8	6

5. The top 20 collocates of *line* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	line	1763.974	371	280	91	16	32	29	49	154	0	15	34	16	5	21
2	MIRROR	line		11	7	4	0	0	0	1	6	0	0	0	0	1	3
3	IS	line	1059.054	220	132	88	24	18	54	36	0	0	28	30	10	10	10
4	OF	line	986.3707	270	211	59	12	8	5	163	23	0	6	1	9	19	24
5	ON	line	972.3232	150	140	10	9	19	35	75	2	0	0	0	2	4	4
6	SEGMENT	line	884.1052	74	4	70	4	0	0	0	0	0	67	2	0	0	1
7	EQUATION	line	819.1199	118	105	13	2	0	91	12	0	0	0	1	3	4	5
8	DRAW	line	742.3658	94	86	8	5	17	17	47	0	0	0	1	0	5	2
9	TO	line	594.8489	139	61	78	4	11	28	17	1	0	23	11	18	16	10
10	THROUGH	line	569.5478	58	0	58	0	0	0	0	0	0	34	13	4	4	3
11	POINT	line	552.6296	88	48	40	8	15	24	1	0	0	0	2	6	28	4
12	SYMMETRY	line	488.0345	68	53	15	2	4	37	10	0	0	5	3	3	3	1
13	AXIS	line	462.3361	69	15	54	10	3	1	1	0	0	0	0	0	25	29
14	SLOPE	line	425.5243	58	42	16	1	2	30	9	0	0	0	1	6	3	6
15	AXIAL	line	419.2119	50	46	4	0	37	8	0	1	0	0	2	0	1	1
16	PERPENDICULAR	line	399.7132	50	30	20	4	14	3	1	8	0	3	1	10	1	5
17	AND	line	343.6917	110	54	56	19	12	14	3	6	0	1	7	10	14	24
18	FIND	line	342.7447	80	66	14	45	16	5	0	0	0	2	2	4	2	4
19	PARALLEL	line	297.6307	35	8	27	0	6	2	0	0	0	8	6	6	2	5
20	MEET	line	292.2305	34	8	26	2	0	3	3	0	0	3	18	0	4	1

6. The top 20 collocates of *area* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	area	3949.628	731	475	256	23	45	46	48	313	0	4	192	11	23	26
2	OF	area	3576.664	604	94	510	38	15	16	23	2	0	442	4	24	24	16
3	RECTANGLE	area	777.1354	84	12	72	1	1	3	6	1	0	0	10	52	5	5
4	IS	area	731.4404	171	29	142	13	6	4	6	0	0	29	8	14	72	19
5	TRIANGLE	area	616.9302	84	11	73	4	2	2	1	2	0	0	28	41	1	3
6	CALCULATE	area	591.8338	108	102	6	9	13	19	58	3	0	0	1	2	1	2
7	FIND	area	403.3695	89	74	15	3	2	9	58	2	0	0	2	2	7	4
8	VOLUME	area	384.4861	58	37	21	11	6	18	2	0	0	2	13	0	3	3
9	ITS	area	367.2012	56	49	7	6	2	12	13	16	0	0	3	0	0	4
10	CM	area	354.9842	77	36	41	9	5	14	3	5	0	0	8	4	12	17
11	BASE	area	339.4847	43	8	35	2	4	0	2	0	0	6	10	8	4	7
12	AND	area	311.0771	103	62	41	15	14	11	7	15	0	20	0	3	11	7
13	CIRCLE	area	308.8868	46	12	34	0	5	4	1	2	0	0	8	24	1	1
14	TOTAL	area	304.7107	45	36	9	0	0	0	29	7	0	3	4	1	1	0
15	PERIMETER	area	276.6301	32	18	14	1	6	1	5	5	0	2	4	3	5	0
16	PARALLELOGRAM	area	246.7094	32	6	26	1	1	3	1	0	0	0	6	19	0	1
17	LENGTH	area	235.8564	43	19	24	14	1	1	3	0	0	7	2	8	4	3
18	HEIGHT	area	214.129	38	20	18	7	6	1	2	4	0	0	2	2	9	5
19	WIDTH	area	205.658	29	14	15	0	7	4	1	2	0	0	1	7	2	5
20	MAXIMUM	area	187.5518	26	24	2	0	0	1	0	23	0	0	1	0	0	1

7. The top 20 collocates of *value* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	value		880	673	207	48	17	32	98	478	0	1	59	18	70	59
2	OF	value	3970.893	605	62	543	6	49	2	4	1	0	525	0	2	10	6
3	FIND	value	1886.373	257	246	11	0	14	10	222	0	0	0	3	0	4	4
4	CALCULATE	value	718.2128	119	117	2	1	7	10	99	0	0	0	0	0	2	0
5	AND	value	663.4498	157	90	67	18	6	18	48	0	0	2	0	57	5	3
6	MINIMUM	value	455.8922	45	42	3	4	2	1	2	33	0	0	0	3	0	0
7	MAXIMUM	value	421.1479	47	46	1	3	2	0	6	35	0	0	0	0	0	1
8	TO	value	284.6447	81	63	18	7	8	45	3	0	0	0	9	3	2	4
9	ESTIMATE	value	232.0763	29	24	5	0	3	11	10	0	0	0	1	2	0	2
10	CORRESPONDING	value	198.8507	27	20	7	1	2	0	11	6	0	5	0	2	0	0
11	AFTER	value	190.5541	26	6	20	0	0	6	0	0	0	11	0	0	3	6
12	EQUATION	value	183.9153	38	34	4	1	32	1	0	0	0	0	2	0	0	2
13	IS	value	180.3242	67	26	41	2	5	5	14	0	0	16	1	15	5	4
14	WRITE	value	174.3681	32	26	6	2	0	24	0	0	0	0	2	0	4	0
15	OR	value	165.9141	36	22	14	5	15	0	2	0	0	4	0	2	4	4
16	DOWN	value	162.8114	27	24	3	0	0	0	24	0	0	0	1	0	0	2
17	HENCE	value	142.1975	22	19	3	9	2	8	0	0	0	0	0	0	3	0
18	FOR	value	131.4192	38	4	34	0	1	1	2	0	0	12	2	18	1	1
19	FREQUENCY	value	115.7708	21	7	14	2	0	4	1	0	0	0	2	2	10	0
20	POINT	value	112.2616	27	19	8	6	7	5	1	0	0	0	2	0	3	3

8. The top 20 collocates of *equation* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	equation	3741.487	633	380	253	20	14	9	14	323	0	4	119	84	14	32
2	OF	equation	1684.868	345	79	266	30	19	5	23	2	0	180	3	8	23	52
3	SOLVE	equation	1520.558	164	113	51	2	1	19	91	0	0	0	30	0	11	10
4	AN	equation	1519.478	180	174	6	29	2	0	3	140	0	0	3	2	1	0
5	TO	equation	1310.281	222	79	143	6	16	56	1	0	0	68	1	31	5	38
6	FIND	equation	986.9337	157	88	69	0	0	2	86	0	0	3	58	1	6	1
7	IN	equation	973.5599	190	41	149	18	4	4	13	2	0	87	52	2	7	1
8	LINE	equation	819.1199	118	13	105	5	4	3	1	0	0	0	12	91	0	2
9	WRITE	equation	648.8793	84	83	1	3	0	60	20	0	0	0	0	1	0	0
10	THIS	equation	611.1923	85	61	24	31	2	3	2	23	0	0	0	2	0	22
11	GIVEN	equation	565.0244	81	19	62	1	0	0	15	3	0	59	1	1	0	1
12	DOWN	equation	477.2531	60	60	0	1	0	0	59	0	0	0	0	0	0	0
13	FORM	equation	393.6111	52	51	1	0	0	0	51	0	0	0	0	1	0	0
14	QUADRATIC	equation	315.3089	35	34	1	0	2	1	0	31	0	0	0	0	1	0
15	INFORMATION	equation	302.6046	38	35	3	1	33	1	0	0	0	0	0	0	3	0
16	AND	equation	248.2601	82	30	52	1	8	15	6	0	0	6	1	29	9	7
17	IS	equation	228.748	75	31	44	9	5	3	14	0	0	10	2	3	7	22
18	A	equation	210.232	93	49	44	7	12	5	24	1	0	2	25	7	6	4
19	REPRESENT	equation	198.7068	27	0	27	0	0	0	0	0	0	0	2	0	24	1
20	WE	equation	191.4235	37	21	16	4	12	5	0	0	0	4	1	1	9	1

9. The top 20 collocates of *point* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	point		799	536	263	91	71	27	78	269	0	3	101	33	69	57
2	OF	point	1119.239	266	107	159	13	9	19	60	6	0	100	2	30	15	12
3	ON	point	915.9937	135	10	125	0	4	0	0	6	0	57	16	16	26	10
4	A	point	883.058	218	150	68	43	20	8	5	74	0	16	15	16	10	11
5	IS	point	771.1041	164	53	111	7	5	12	29	0	0	32	16	31	28	4
6	INTERSECTION	point	650.5374	54	3	51	3	0	0	0	0	0	0	49	0	1	1
7	CUT	point	617.6769	60	60	0	0	0	0	60	0	0	0	0	0	0	0
8	OFF	point	586.8474	62	60	2	0	0	0	0	60	0	1	0	0	1	0
9	LINE	point	552.6296	88	40	48	4	28	6	2	0	0	0	1	24	15	8
10	STANDARD	point	551.6351	59	58	1	0	58	0	0	0	0	0	0	0	0	1
11	FIND	point	475.7323	93	82	11	36	14	8	9	15	0	1	1	3	1	5
12	RATE	point	457.5797	61	57	4	0	0	57	0	0	0	2	0	1	1	0
13	AND	point	399.0604	110	39	71	6	8	13	11	1	0	21	6	6	5	33
14	MINIMUM	point	347.0402	36	28	8	2	0	1	0	25	0	0	2	4	1	1
15	UNDER	point	340.844	50	7	43	3	3	0	1	0	0	2	6	29	6	0
16	IMAGE	point	326.2025	47	44	3	0	2	40	2	0	0	0	0	1	2	0
17	CENTRAL	point	282.7647	34	26	8	0	20	5	1	0	0	0	0	1	2	5
18	TO	point	247.0015	72	35	37	11	3	10	9	2	0	10	7	14	4	2
19	SYMMETRY	point	234.5839	37	30	7	3	0	21	5	1	0	0	1	0	1	5
20	COORDINATES	point	201.2913	24	24	0	1	10	9	4	0	0	0	0	0	0	0

10. The top 20 collocates of *example* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FOR	example	511.3046	92	85	7	0	1	3	0	81	0	0	3	3	0	1
2	THE	example	307.6258	156	52	104	14	15	8	14	1	0	15	31	25	23	10
3	CONSIDER	example	143.0518	17	11	6	3	0	8	0	0	0	6	0	0	0	0
4	OF	example	134.9282	77	21	56	10	3	4	3	1	0	1	1	6	21	27
5	IS	example	128.6901	52	18	34	6	4	4	4	0	0	1	7	9	11	6
6	IN	example	94.90873	43	19	24	3	2	6	7	1	0	6	1	5	6	6
7	SOLVE	example	85.95741	19	1	18	0	0	0	1	0	0	3	13	0	0	2
8	SIMPLIFY	example	76.98915	13	1	12	0	0	1	0	0	0	1	5	3	1	2
9	NEXT	example	71.46117	10	10	0	0	0	2	0	8	0	0	0	0	0	0
10	FIND	example	70.01279	26	2	24	2	0	0	0	0	0	3	11	8	0	2
11	AND	example	65.93944	38	18	20	4	6	6	2	0	0	0	1	6	4	9
12	TYPE	example	64.83058	12	12	0	2	0	0	8	2	0	0	0	0	0	0
13	AN	example	53.15252	16	5	11	1	1	1	0	2	0	0	0	1	5	5
14	COMMON	example	50.21864	10	4	6	0	0	4	0	0	0	0	0	4	1	1
15	IF	example	45.86001	17	3	14	0	1	1	0	1	0	7	2	1	1	3
16	IMAGE	example	44.66595	11	0	11	0	0	0	0	0	0	0	0	1	9	1
17	EVALUATE	example	44.08764	10	0	10	0	0	0	0	0	0	1	7	0	0	2
18	SIDES	example	41.92895	12	12	0	0	3	2	3	4	0	0	0	0	0	0
19	HAS	example	40.27514	10	0	10	0	0	0	0	0	0	0	1	6	2	1
20	EXPRESS	example	39.94755	10	0	10	0	0	0	0	0	0	0	8	1	1	0

11. The top 20 collocates of *given* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	given	1407.275	343	182	161	28	23	16	45	70	0	68	33	14	19	27
2	IN	given	972.0073	180	68	112	15	6	7	37	3	0	81	3	18	4	6
3	DISGUISE	given	863.8929	68	1	67	0	0	1	0	0	0	0	52	1	14	0
4	A	given	713.231	179	96	83	23	15	12	9	37	0	31	26	8	8	10
5	EQUATION	given	565.0244	81	62	19	1	0	1	1	59	0	3	15	0	0	1
6	OF	given	375.5477	128	52	76	10	21	5	16	0	0	0	26	21	22	7
7	WE	given	358.7701	56	44	12	0	2	7	35	0	0	0	0	3	5	4
8	ARE	given	343.076	66	57	9	2	1	0	3	51	0	0	0	0	2	7
9	TO	given	319.0402	80	45	35	14	20	6	5	0	0	23	1	3	3	5
10	AND	given	276.4686	82	20	62	3	4	9	4	0	0	1	2	18	18	23
11	QUESTION	given	262.3358	39	28	11	6	3	18	1	0	0	1	1	9	0	0
12	IS	given	233.0323	71	46	25	10	4	2	6	24	0	0	13	5	1	6
13	DIAGRAM	given	184.2886	32	7	25	0	0	2	1	4	0	18	2	3	2	0
14	AREA	given	157.8393	34	8	26	2	0	4	2	0	0	3	3	7	6	7
15	SOME	given	151.5178	18	14	4	2	11	1	0	0	0	0	0	1	2	1
16	SOLUTION	given	151.1601	29	27	2	5	0	2	12	8	0	0	0	0	2	0
17	QUESTIONS	given	131.3379	19	17	2	0	3	12	2	0	0	0	0	0	1	1
18	WITH	given	129.425	26	15	11	2	0	2	10	1	0	0	6	3	0	2
19	INFORMATION	given	128.7347	19	7	12	0	0	2	0	5	0	8	3	1	0	0
20	DOWN	given	125.9702	21	20	1	0	1	19	0	0	0	0	0	0	0	1

12. The top 20 collocates of *following* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	following		683	564	119	5	17	1	0	541	0	1	33	38	22	25
2	EACH	following	2412.176	260	251	9	2	1	248	0	0	0	1	2	0	5	1
3	OF	following	2224.221	386	335	51	13	45	0	277	0	0	0	21	5	10	15
4	IN	following	768.0032	153	79	74	8	42	1	28	0	0	16	15	11	18	14
5	DO	following	445.5863	45	45	0	0	0	0	45	0	0	0	0	0	0	0
6	TABLE	following	443.2871	54	0	54	0	0	0	0	0	0	37	3	12	2	0
7	STEPS	following	316.2516	30	0	30	0	0	0	0	0	0	30	0	0	0	0
8	COMPLETE	following	296.1041	34	34	0	0	0	0	34	0	0	0	0	0	0	0
9	FREQUENCY	following	267.3029	37	3	34	0	3	0	0	0	0	21	12	0	0	1
10	WITH	following	234.9769	40	34	6	2	0	0	31	1	0	2	4	0	0	0
11	DISTRIBUTION	following	207.0652	24	3	21	0	1	2	0	0	0	0	16	3	2	0
12	EXPRESS	following	176.4384	28	24	4	0	20	0	4	0	0	2	2	0	0	0
13	FORM	following	175.0729	27	2	25	1	1	0	0	0	0	0	0	15	3	7
14	SIMPLIFY	following	159.7805	22	21	1	0	20	0	1	0	0	0	0	0	0	1
15	FACTORISE	following	154.4219	20	19	1	0	18	0	1	0	0	0	0	1	0	0
16	EVALUATE	following	153.9877	24	24	0	0	12	0	12	0	0	0	0	0	0	0
17	TO	following	128.1895	45	23	22	14	3	6	0	0	0	1	7	6	4	4
18	FRACTION	following	122.1516	18	4	14	1	0	3	0	0	0	0	0	8	6	0
19	EQUATIONS	following	119.1291	19	5	14	3	0	2	0	0	0	11	0	0	1	2
20	SHOWS	following	108.8592	16	0	16	0	0	0	0	0	0	0	6	6	4	0

13. The top 20 collocates of *solution* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTION	solution	901.8135	100	3	97	0	3	0	0	0	0	0	97	0	0	0
2	A	solution	802.7657	190	29	161	7	5	3	7	7	0	17	18	9	95	22
3	TO	solution	544.496	113	8	105	2	3	3	0	0	0	99	2	0	3	1
4	THE	solution	473.7357	182	47	135	9	6	3	2	27	0	12	53	22	20	28
5	LET	solution	186.9436	27	0	27	0	0	0	0	0	0	23	1	0	2	1
6	GIVEN	solution	151.1601	29	2	27	0	2	0	0	0	0	8	12	2	0	5
7	OF	solution	125.9536	69	10	59	4	2	3	1	0	0	10	6	23	9	11
8	GRAPH	solution	124.5068	24	17	7	0	0	0	17	0	0	0	0	6	0	1
9	AND	solution	107.5508	46	19	27	4	2	13	0	0	0	4	2	5	8	8
10	ROUGH	solution	105.2416	12	0	12	0	0	0	0	0	0	2	8	1	0	1
11	DRAW	solution	101.3174	19	0	19	0	0	0	0	0	0	16	3	0	0	0
12	EQUATION	solution	101.203	23	0	23	0	0	0	0	0	0	8	2	9	0	4
13	NUMBER	solution	99.90689	28	1	27	0	0	1	0	0	0	0	1	16	6	4
14	YOUR	solution	96.73074	19	19	0	0	0	0	0	19	0	0	0	0	0	0
15	ON	solution	91.34339	25	0	25	0	0	0	0	0	0	17	2	0	4	2
16	LINE	solution	90.18875	23	2	21	2	0	0	0	0	0	0	0	3	17	1
17	FOR	solution	80.15565	25	18	7	6	1	9	2	0	0	1	0	0	4	2
18	IN	solution	77.73879	36	7	29	3	2	0	2	0	0	4	2	11	6	6
19	DISGUISE	solution	72.23264	10	0	10	0	0	0	0	0	0	0	0	0	8	2
20	SET	solution	71.71659	13	0	13	0	0	0	0	0	0	13	0	0	0	0

14. The top 20 collocates of *angle* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	angle	2899.874	487	306	181	34	57	10	47	158	0	12	57	24	57	31
2	OF	angle	1008.409	226	94	132	25	9	5	51	4	0	75	3	36	12	6
3	AN	angle	583.9004	82	73	9	1	4	0	14	54	0	0	0	0	8	1
4	IS	angle	483.514	110	45	65	7	9	20	9	0	0	28	13	8	15	1
5	RIGHT	angle	470.0143	55	46	9	3	0	1	2	40	0	1	0	4	3	1
6	TO	angle	452.7401	98	53	45	12	8	24	8	1	0	3	1	23	7	11
7	SIDE	angle	426.8449	52	33	19	7	8	14	1	3	0	2	1	3	2	11
8	STRAIGHT	angle	384.2132	36	29	7	1	0	1	0	27	0	4	0	1	1	1
9	OPPOSITE	angle	376.8255	45	29	16	2	7	12	4	4	0	2	3	4	4	3
10	AND	angle	292.3613	82	38	44	3	7	9	14	5	0	7	10	13	12	2
11	IN	angle	263.8451	73	16	57	5	3	7	0	1	0	31	5	3	10	8
12	AT	angle	256.2101	49	10	39	3	1	5	1	0	0	25	1	6	2	5
13	REPRESENTING	angle	237.7941	22	8	14	1	1	0	6	0	0	13	0	0	0	1
14	BETWEEN	angle	232.9557	31	1	30	1	0	0	0	0	0	21	8	0	1	0
15	ACUTE	angle	209.0471	16	15	1	1	0	1	0	13	0	0	1	0	0	0
16	CENTRE	angle	204.9641	26	7	19	1	5	0	1	0	0	0	0	16	1	2
17	EXTERIOR	angle	195.9509	15	15	0	0	0	0	0	15	0	0	0	0	0	0
18	TRIANGLE	angle	191.5149	31	11	20	3	1	5	2	0	0	0	0	9	5	6
19	EQUAL	angle	187.0777	29	9	20	0	3	4	0	2	0	1	9	3	2	5
20	CIRCUMFERENCE	angle	173.4268	20	7	13	1	6	0	0	0	0	0	0	12	0	1

15. The top 20 collocates of *sides* in the mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BOTH	sides	3141.382	269	229	40	1	11	0	1	216	0	0	10	1	25	4
2	BY	sides	1631.529	185	27	158	2	25	0	0	0	0	142	2	1	12	1
3	THE	sides	1216.134	294	178	116	40	58	20	32	28	0	1	44	13	33	25
4	DIVIDE	sides	1060.826	102	77	25	0	0	0	77	0	0	5	0	16	2	2
5	MULTIPLY	sides	821.1135	82	64	18	0	2	0	62	0	0	5	0	9	1	3
6	OF	sides	764.8928	185	108	77	4	23	15	54	12	0	47	2	2	15	11
7	EQUAL	sides	622.7994	72	26	46	1	4	7	0	14	0	10	16	4	3	13
8	ARE	sides	577.8352	92	16	76	7	7	0	2	0	0	52	2	2	16	4
9	OPPOSITE	sides	506.6877	56	38	18	0	2	4	8	24	0	5	6	3	3	1
10	LENGTHS	sides	460.3544	41	40	1	10	7	18	5	0	0	0	0	1	0	0
11	ANGLES	sides	405.9915	54	20	34	2	4	9	5	0	0	2	13	13	4	2
12	TWO	sides	396.4035	63	57	6	1	0	8	0	48	0	0	0	2	2	2
13	TRIANGLE	sides	387.3915	52	24	28	4	4	3	13	0	0	0	0	18	9	1
14	CORRESPONDING	sides	353.7624	39	34	5	1	1	5	0	27	0	1	3	1	0	0
15	AND	sides	298.4956	81	18	63	10	1	5	2	0	0	34	1	10	12	6
16	IN	sides	280.199	74	16	58	8	8	0	0	0	0	14	11	18	11	4
17	OTHER	sides	250.8761	32	17	15	1	2	0	14	0	0	0	0	9	4	2
18	SQUARE	sides	249.0051	31	23	8	1	11	4	7	0	0	0	1	0	1	6
19	LENGTH	sides	225.8476	36	17	19	2	3	9	3	0	0	0	12	2	4	1
20	SUBTRACT	sides	174.5477	20	18	2	1	17	0	0	0	0	0	0	1	1	0

The top 20 collocates of the 15 most frequent content words in the science textbooks corpus

1. The top 20 collocates of *water* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	water	5342.527	1638	1064	574	151	219	195	81	418	0	21	209	118	122	104
2	DISTILLED	water		31	27	4	1	1	0	1	24	0	1	2	1	0	0
3	OF	water	3025.704	925	729	196	61	75	61	129	403	0	2	20	34	71	69
4	AND	water	2534.66	724	328	396	51	49	32	38	158	0	211	45	44	48	48
5	IN	water	2303.691	649	378	271	41	63	28	71	175	0	125	39	39	39	29
6	TO	water	1704.971	559	279	280	68	55	66	71	19	0	85	30	52	55	58
7	A	water	1516.437	608	291	317	65	86	87	28	25	0	7	143	65	45	57
8	IS	water	1246.99	455	179	276	43	51	44	19	22	0	183	30	23	23	17
9	WITH	water	1070.639	251	188	63	14	10	15	48	101	0	20	9	11	12	11
10	BOILING	water	838.5609	114	96	18	3	5	28	8	52	0	3	5	4	4	2
11	VAPOUR	water	832.0215	94	3	91	1	2	0	0	0	0	89	1	0	1	0
12	BEAKER	water	831.1627	130	87	43	10	13	20	36	8	0	3	1	24	7	8
13	FROM	water	821.6798	218	71	147	10	12	13	20	16	0	50	33	23	29	12
14	DIOXIDE	water	627.3969	121	78	43	5	7	10	34	22	0	1	15	8	14	5
15	HARD	water	621.4568	84	71	13	3	5	11	2	50	0	2	4	3	4	0
16	INTO	water	567.6288	139	62	77	6	12	5	21	18	0	39	9	9	12	8
17	SALT	water	526.5246	86	67	19	6	7	4	33	17	0	1	7	4	5	2
18	CARBON	water	515.9696	111	71	40	7	7	35	21	1	0	15	8	13	1	3
19	TAP	water	509.3107	63	43	20	4	1	8	5	25	0	6	2	5	6	1
20	TEST	water	484.6935	119	79	40	18	18	20	22	1	0	2	4	12	15	7

2. The top 20 collocates of *energy* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ELECTRICAL	energy	1779.059	181	140	41	11	29	11	2	87	0	3	22	4	4	8
2	HEAT	energy	1707.119	229	152	77	21	10	7	6	108	0	9	27	7	19	15
3	TO	energy	1575.823	381	167	214	29	18	34	85	1	0	78	13	30	67	26
4	THE	energy	1336.776	519	311	208	38	61	41	78	93	0	13	98	36	27	34
5	OF	energy	1225.359	379	297	82	26	13	15	66	177	0	19	8	12	24	19
6	IS	energy	1118.885	301	138	163	30	72	16	15	5	0	81	37	15	22	8
7	FOOD	energy	678.5325	117	50	67	11	10	17	10	2	0	2	26	21	8	10
8	INTO	energy	645.1719	117	58	59	3	11	2	35	7	0	34	2	9	9	5
9	CHEMICAL	energy	641.2718	91	82	9	6	17	2	0	57	0	0	2	3	2	2
10	LIGHT	energy	622.3214	112	79	33	15	14	8	3	39	0	3	12	3	6	9
11	IN	energy	475.8383	178	41	137	16	15	4	2	4	0	65	25	10	20	17
12	STORED	energy	474.6744	52	22	30	0	3	0	4	15	0	8	5	9	5	3
13	FROM	energy	441.8931	108	16	92	2	4	5	5	0	0	50	19	12	7	4
14	SOUND	energy	415.4228	60	44	16	13	7	2	0	22	0	1	9	3	2	1
15	FORM	energy	398.0005	66	48	18	1	0	3	44	0	0	1	0	11	3	3
16	POTENTIAL	energy	384.9921	40	33	7	2	5	1	0	25	0	0	4	1	1	1
17	AND	energy	369.0461	164	67	97	14	11	12	11	19	0	26	14	28	9	20
18	SOURCES	energy	319.3746	35	17	18	2	2	0	13	0	0	14	0	0	1	3
19	BY	energy	307.4412	83	16	67	4	1	3	8	0	0	22	9	17	7	12
20	SOURCE	energy	305.9261	38	27	11	2	1	7	17	0	0	7	1	2	0	1

3. The top 20 collocates of *used* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	used	1751.404	367	20	347	9	7	1	3	0	0	301	4	16	17	9
2	APPARATUS	used	1654.53	174	170	4	0	1	85	2	82	0	0	0	0	2	2
3	IS	used	1151.804	275	254	21	6	6	17	40	185	0	2	1	6	9	3
4	CHEMICALS	used	885.4023	95	94	1	1	0	1	3	89	0	0	0	0	0	1
5	AND	used	805.015	228	149	79	8	16	26	94	5	0	6	7	19	30	17
6	BE	used	779.7999	140	133	7	2	1	0	1	129	0	0	2	1	3	1
7	THE	used	767.2325	337	162	175	36	47	32	46	1	0	4	40	87	24	20
8	FOR	used	661.4449	132	18	114	9	2	5	2	0	0	77	7	14	8	8
9	IN	used	627.4614	186	35	151	13	10	9	3	0	0	106	6	6	14	19
10	ARE	used	605.8287	140	127	13	4	2	7	27	87	0	1	1	1	4	6
11	A	used	532.0646	201	121	80	31	41	31	18	0	0	7	26	31	5	11
12	OF	used	524.3154	205	114	91	35	31	28	20	0	0	0	5	14	22	50
13	CAN	used	423.6511	89	82	7	2	0	11	69	0	0	1	3	0	2	1
14	MEASURE	used	353.0657	45	0	45	0	0	0	0	0	0	0	44	0	1	0
15	TEST	used	252.2563	53	3	50	0	3	0	0	0	0	6	31	8	2	3
16	IT	used	186.4157	65	54	11	0	4	19	30	1	0	1	1	1	2	6
17	AN	used	178.1353	51	38	13	11	11	8	7	1	0	0	5	4	2	2
18	SMALL	used	174.6454	34	3	31	0	1	0	2	0	0	9	6	14	1	1
19	TWO	used	169.8202	39	4	35	0	1	1	2	0	0	20	2	4	3	6
20	SEPARATE	used	160.3007	22	1	21	1	0	0	0	0	0	0	21	0	0	0

4. The top 20 collocates of *light* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	light	1546.682	475	317	158	42	57	82	27	109	0	18	46	38	34	22
2	A	light	867.4401	261	127	134	23	30	26	9	39	0	10	46	26	32	20
3	TO	light	763.3685	212	127	85	26	15	33	20	33	0	13	18	19	13	22
4	OF	light	736.3914	243	197	46	16	18	9	41	113	0	3	2	6	21	14
5	ENERGY	light	622.3214	112	33	79	9	6	3	12	3	0	39	3	8	14	15
6	RAYS	light	600.3215	60	16	44	0	3	1	12	0	0	41	1	0	1	1
7	IS	light	483.4948	157	46	111	6	27	10	3	0	0	54	13	18	13	13
8	RAY	light	419.7883	45	28	17	0	2	3	23	0	0	10	3	4	0	0
9	WHITE	light	417.3419	53	50	3	2	1	0	1	46	0	1	0	1	1	0
10	AND	light	400.5342	147	54	93	14	5	11	8	16	0	41	9	11	19	13
11	FROM	light	335.2515	80	11	69	3	2	3	3	0	0	25	18	10	11	5
12	BULB	light	315.7936	42	25	17	1	3	10	4	7	0	13	1	2	0	1
13	THAT	light	299.7245	72	57	15	2	6	12	9	28	0	4	1	1	5	4
14	IT	light	286.2319	83	23	60	6	2	11	2	2	0	6	18	18	13	5
15	IN	light	262.7064	109	49	60	7	10	8	19	5	0	13	30	7	7	3
16	TRAVELS	light	261.8639	32	1	31	0	1	0	0	0	0	28	2	1	0	0
17	REFRACTION	light	260.5383	26	22	4	6	0	2	13	1	0	1	0	2	1	0
18	RESISTOR	light	253.0071	30	11	19	4	3	2	0	2	0	0	17	0	1	1
19	WHEN	light	247.2088	59	35	24	5	5	2	7	16	0	12	2	5	1	4
20	DIODE	light	242.2764	30	12	18	2	8	2	0	0	0	1	14	0	0	3

5. The top 20 collocates of *air* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigt	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	air	2410.493	594	402	192	45	68	37	20	232	0	2	66	56	32	36
2	IN	air	1016.974	244	158	86	10	10	8	64	66	0	34	28	11	9	4
3	AND	air	709.8104	204	89	115	25	22	21	15	6	0	37	28	18	17	15
4	TO	air	675.4627	194	97	97	20	17	29	19	12	0	35	7	13	21	21
5	IS	air	635.5726	183	69	114	11	26	19	8	5	0	66	15	12	12	9
6	OF	air	547.2582	202	150	52	12	24	25	32	57	0	1	12	4	20	15
7	OXYGEN	air	488.9872	79	50	29	3	3	34	8	2	0	7	11	5	3	3
8	WATER	air	441.6877	114	40	74	8	14	12	5	1	0	13	30	10	11	10
9	FROM	air	366.3309	84	50	34	3	3	8	30	6	0	15	3	6	9	1
10	DIOXIDE	air	348.5607	57	36	21	5	9	17	3	2	0	0	1	4	15	1
11	SHOW	air	321.4682	53	37	16	2	6	12	17	0	0	0	3	2	2	9
12	CARBON	air	298.6836	53	31	22	9	17	3	2	0	0	1	4	15	1	1
13	THAN	air	273.2867	46	35	11	0	0	1	19	15	0	1	1	2	1	6
14	INTO	air	252.1457	54	21	33	1	2	0	16	2	0	18	3	7	4	1
15	VAPOUR	air	238.6381	30	18	12	4	3	10	1	0	0	0	1	8	0	3
16	THROUGH	air	235.1169	47	22	25	3	2	2	8	7	0	7	3	7	5	3
17	WITH	air	231.6148	60	43	17	9	9	1	9	15	0	2	7	3	0	5
18	THAT	air	220.1173	58	51	7	6	4	0	18	23	0	2	1	1	1	2
19	CONTAINS	air	211.7409	32	9	23	1	2	1	1	4	0	21	1	0	1	0
20	GLASS	air	207.1121	35	17	18	1	7	0	8	1	0	1	5	5	4	3

6. The top 20 collocates of *food* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	food	1465.326	447	305	142	59	54	44	33	115	0	2	28	41	44	27
2	OF	food	756.9733	240	195	45	23	16	34	46	76	0	2	8	2	20	13
3	ENERGY	food	678.5325	117	67	50	10	8	21	26	2	0	2	10	17	10	11
4	AND	food	656.9954	192	62	130	11	21	13	8	9	0	45	21	26	15	23
5	TO	food	583.4151	175	78	97	7	13	22	33	3	0	26	14	25	18	14
6	CHAIN	food	583.0822	51	2	49	0	0	2	0	0	0	47	0	1	1	0
7	IN	food	503.2394	155	93	62	3	18	10	38	24	0	14	18	9	10	11
8	CHAINS	food	496.1286	43	3	40	1	1	0	1	0	0	38	0	2	0	0
9	IS	food	398.0164	136	42	94	9	16	12	5	0	0	47	17	7	14	9
10	FOR	food	305.463	75	32	43	2	3	4	9	14	0	18	8	7	3	7
11	MAKE	food	268.6811	46	42	4	0	0	23	6	13	0	0	0	0	3	1
12	WEB	food	267.202	22	3	19	2	1	0	0	0	0	17	0	0	1	1
13	PLANTS	food	262.5736	50	37	13	10	12	9	6	0	0	0	1	4	3	5
14	THEIR	food	256.8665	43	36	7	2	0	0	22	12	0	1	2	1	1	2
15	FROM	food	242.134	63	31	32	4	1	3	11	12	0	7	10	9	3	3
16	TYPES	food	196.0367	28	5	23	1	0	0	4	0	0	23	0	0	0	0
17	OWN	food	185.071	24	23	1	0	0	0	0	23	0	0	0	0	0	1
18	DOWN	food	166.6774	30	22	8	1	4	1	11	5	0	1	2	2	2	1
19	PHOTOSYNTHESIS	food	162.1752	22	4	18	0	0	2	1	1	0	0	11	2	1	4
20	DIGESTED	food	159.5734	15	10	5	0	0	0	0	10	0	0	1	4	0	0

7. The top 20 collocates of *test* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TUBE	test	4760.025	427	22	405	4	3	7	6	2	0	373	1	7	8	16
2	THE	test	1367.241	427	280	147	34	49	15	46	136	0	35	31	39	18	24
3	TUBES	test	1310.782	121	15	106	0	2	8	2	3	0	106	0	0	0	0
4	FOR	test	832.0246	149	9	140	4	1	2	2	0	0	85	17	11	14	13
5	A	test	727.598	227	123	104	11	11	5	22	74	0	20	23	32	16	13
6	TO	test	612.3559	179	140	39	11	11	7	14	97	0	3	11	5	5	15
7	IN	test	580.4189	168	133	35	4	8	35	67	19	0	1	19	3	8	4
8	OF	test	545.0292	197	94	103	32	20	8	32	2	0	0	17	34	39	13
9	WATER	test	478.5228	118	40	78	7	15	12	4	2	0	1	22	20	17	18
10	SOLUTION	test	344.3161	56	31	25	5	7	12	6	1	0	0	2	7	9	7
11	INTO	test	299.6469	60	54	6	6	1	7	39	1	0	2	3	0	1	0
12	AND	test	295.1646	119	76	43	19	23	20	7	7	0	1	17	9	6	10
13	EACH	test	280.4181	54	43	11	2	4	3	1	33	0	5	4	0	1	1
14	USED	test	252.2563	53	50	3	3	2	8	31	6	0	0	0	0	3	0
15	WITH	test	243.868	61	5	56	1	3	0	1	0	0	3	26	13	10	4
16	CHEMICALS	test	239.7249	34	31	3	2	7	18	4	0	0	0	0	2	0	1
17	STARCH	test	234.8319	32	8	24	3	5	0	0	0	0	0	2	6	4	12
18	PRESENCE	test	231.4574	29	2	27	2	0	0	0	0	0	0	0	24	2	1
19	PAPER	test	214.7037	39	28	11	1	13	6	5	3	0	0	0	1	4	6
20	STOPPER	test	207.0259	24	12	12	0	6	1	5	0	0	0	5	3	2	2

8. The top 20 collocates of *heat* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ENERGY	heat	1707.119	229	77	152	15	19	7	27	9	0	108	6	7	10	21
2	THE	heat	1331.927	420	195	225	20	33	66	11	65	0	71	40	37	46	31
3	OF	heat	824.6685	250	175	75	5	17	5	15	133	0	8	12	15	32	8
4	TO	heat	794.4283	210	127	83	22	13	15	19	58	0	22	11	13	25	12
5	A	heat	504.1111	183	59	124	14	31	10	3	1	0	19	33	27	31	14
6	IS	heat	502.7142	155	68	87	22	24	12	8	2	0	44	16	8	11	8
7	AND	heat	447.727	151	61	90	11	8	13	6	23	0	35	11	13	14	17
8	IN	heat	411.4966	136	42	94	6	15	10	9	2	0	26	17	27	9	15
9	LOSS	heat	370.26	37	3	34	1	0	0	1	1	0	33	0	0	1	0
10	TRANSFER	heat	304.8815	32	22	10	0	1	0	20	1	0	6	1	0	2	1
11	WATER	heat	304.7373	88	19	69	1	4	6	6	2	0	6	24	13	9	17
12	FROM	heat	281.1177	69	9	60	4	0	1	2	2	0	17	16	17	5	5
13	ELECTRICAL	heat	261.5633	39	29	10	4	5	15	4	1	0	0	1	2	4	3
14	BY	heat	178.7511	50	21	29	1	1	2	8	9	0	2	14	1	5	7
15	THROUGH	heat	177.9093	38	2	36	0	1	1	0	0	0	12	9	14	0	1
16	CONDUCTOR	heat	171.8719	20	18	2	2	0	0	15	1	0	1	0	1	0	0
17	CONDUCTION	heat	171.5375	19	12	7	4	2	1	4	1	0	0	2	3	1	1
18	GENTLY	heat	160.2839	20	3	17	0	0	0	0	3	0	7	0	3	4	3
19	SHOW	heat	156.6572	31	25	6	3	14	3	3	2	0	0	2	1	1	2
20	CONDUCTORS	heat	147.7191	18	17	1	1	0	0	16	0	0	0	0	0	1	0

9. The top 20 collocates of *experiment* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	experiment	2580.93	442	25	417	9	9	5	1	1	0	184	192	12	16	13
2	SHOW	experiment	950.0298	117	3	114	0	0	0	3	0	0	0	64	47	1	2
3	THE	experiment	824.8029	318	116	202	13	24	4	11	64	0	3	16	73	93	17
4	THIS	experiment	589.1582	110	97	13	3	1	1	4	88	0	1	2	5	4	1
5	DEMONSTRATE	experiment	583.3015	61	7	54	1	5	1	0	0	0	0	14	37	1	2
6	INVESTIGATE	experiment	548.9583	58	0	58	0	0	0	0	0	0	3	13	42	0	0
7	THAT	experiment	521.8912	101	1	100	1	0	0	0	0	0	4	3	39	51	3
8	OF	experiment	374.8716	156	85	71	31	17	20	15	2	0	0	3	0	9	59
9	IN	experiment	354.7111	122	102	20	5	2	13	70	12	0	2	3	3	5	7
10	A	experiment	324.3774	140	38	102	7	16	8	7	0	0	15	10	28	32	17
11	WE	experiment	280.6868	48	2	46	1	1	0	0	0	0	42	2	0	0	2
12	AN	experiment	264.8141	62	56	6	3	1	2	5	45	0	1	0	3	2	0
13	WILL	experiment	194.0282	41	4	37	4	0	0	0	0	0	7	30	0	0	0
14	WATER	experiment	187.8679	64	38	26	6	10	4	9	9	0	0	2	1	8	15
15	SIMPLE	experiment	176.2304	29	17	12	1	6	1	0	9	0	0	0	2	6	4
16	FIND	experiment	174.3774	31	2	29	0	1	1	0	0	0	0	13	12	1	3
17	EXAMINE	experiment	171.8285	23	0	23	0	0	0	0	0	0	0	9	13	0	1
18	MANDATORY	experiment	169.6321	17	17	0	0	0	0	0	17	0	0	0	0	0	0
19	DESCRIBE	experiment	157.8152	22	21	1	0	1	3	17	0	0	0	1	0	0	0
20	REPEAT	experiment	154.4739	20	20	0	0	0	0	18	2	0	0	0	0	0	0

10. The top 20 collocates of *called* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	IS	called	1713.439	327	292	35	14	7	8	19	244	0	2	8	13	6	6
2	THE	called	839.656	313	121	192	37	35	39	10	0	0	130	3	18	18	23
3	A	called	829.2097	235	148	87	15	33	52	47	1	0	67	0	5	8	7
4	ARE	called	766.9185	152	133	19	12	4	1	13	103	0	2	7	3	5	2
5	THIS	called	526.0403	100	94	6	12	12	21	48	1	0	2	2	1	1	0
6	OF	called	432.8786	165	121	44	19	28	41	33	0	0	1	5	19	8	11
7	AND	called	265.8401	107	56	51	6	13	22	14	1	0	7	9	19	11	5
8	WHICH	called	210.0926	51	20	31	6	4	3	7	0	0	4	16	6	3	2
9	TINY	called	193.6922	25	25	0	5	2	3	15	0	0	0	0	0	0	0
10	THEY	called	181.0525	40	18	22	4	3	5	6	0	0	1	6	6	8	1
11	IN	called	171.769	79	63	16	12	16	26	9	0	0	4	2	0	3	7
12	AN	called	156.6505	43	19	24	0	1	8	10	0	0	20	1	1	2	0
13	TO	called	155.79	78	50	28	13	22	14	1	0	0	0	5	5	7	11
14	PARTICLES	called	132.1895	19	16	3	2	0	0	0	14	0	0	0	2	0	1
15	CELLS	called	131.3662	26	19	7	1	2	3	2	11	0	3	1	2	0	1
16	PROCESS	called	109.3759	15	15	0	0	0	2	3	10	0	0	0	0	0	0
17	BY	called	107.9368	35	30	5	7	8	15	0	0	0	1	0	2	0	2
18	THESE	called	97.54041	21	21	0	1	4	9	7	0	0	0	0	0	0	0
19	BECAUSE	called	95.35838	19	0	19	0	0	0	0	0	0	1	6	9	2	1
20	SOMETIMES	called	93.72153	12	10	2	0	0	0	0	10	0	0	1	0	1	0

11. The top 20 collocates of *plants* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANIMALS	plants	1373.76	145	73	72	2	8	5	54	4	0	2	50	9	6	5
2	AND	plants	866.9807	212	91	121	14	15	5	5	52	0	72	7	11	12	19
3	OF	plants	547.7597	183	132	51	7	19	22	33	51	0	4	2	13	16	16
4	THE	plants	497.6722	231	153	78	20	29	42	15	47	0	6	26	20	14	12
5	IN	plants	477.1887	139	67	72	5	9	7	7	39	0	24	17	8	13	10
6	TO	plants	427.1466	134	57	77	14	13	14	12	4	0	9	17	21	13	17
7	ARE	plants	317.4335	82	24	58	6	5	4	3	6	0	36	4	12	5	1
8	THEIR	plants	300.1751	46	4	42	0	4	0	0	0	0	0	14	9	15	4
9	GREEN	plants	270.4868	32	29	3	3	1	0	2	23	0	0	0	2	1	0
10	FOOD	plants	262.5736	50	13	37	5	3	4	1	0	0	0	6	9	12	10
11	ON	plants	262.2288	63	30	33	1	8	3	7	11	0	3	9	9	5	7
12	BY	plants	257.2715	60	28	32	3	5	4	9	7	0	2	4	16	6	4
13	WHICH	plants	236.4625	54	30	24	4	2	3	10	11	0	8	3	4	4	5
14	OTHER	plants	213.3302	39	24	15	3	2	3	4	12	0	0	4	4	6	1
15	FOR	plants	171.4526	48	24	24	5	0	4	11	4	0	4	4	4	5	7
16	GROWING	plants	168.0643	20	12	8	0	1	3	1	7	0	3	1	1	0	3
17	OWN	plants	163.9518	21	7	14	4	0	2	1	0	0	0	0	8	3	3
18	DEPEND	plants	161.0553	17	7	10	0	0	5	2	0	0	5	2	1	2	0
19	HAVE	plants	157.0677	34	5	29	0	1	1	3	0	0	15	4	4	2	4
20	FLOWERING	plants	155.0113	16	16	0	0	1	0	0	15	0	0	0	0	0	0

12. The top 20 collocates of *oxygen* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	oxygen	910.506	314	165	149	31	29	46	10	49	0	7	68	22	22	30
2	AND	oxygen	691.7266	183	96	87	6	10	8	10	62	0	44	9	14	13	7
3	CARBON	oxygen	601.7899	84	41	43	4	12	7	12	6	0	12	13	9	5	4
4	HYDROGEN	oxygen	535.7007	68	52	16	7	11	7	18	9	0	3	10	0	3	0
5	GAS	oxygen	525.08	77	37	40	4	4	24	2	3	0	24	4	4	6	2
6	OF	oxygen	496.5876	172	138	34	7	16	16	9	90	0	0	4	2	14	14
7	AIR	oxygen	488.9872	79	29	50	3	3	5	11	7	0	2	8	34	3	3
8	TO	oxygen	468.3264	141	58	83	16	14	10	14	4	0	37	9	7	14	16
9	WATER	oxygen	467.7656	109	49	60	4	9	11	16	9	0	9	18	16	5	12
10	IN	oxygen	453.224	134	54	80	9	14	5	6	20	0	44	11	8	13	4
11	DIOXIDE	oxygen	359.9403	55	18	37	4	3	4	5	2	0	0	12	12	11	2
12	WITH	oxygen	333.7353	71	55	16	3	5	3	9	35	0	1	4	2	4	5
13	IS	oxygen	326.521	111	52	59	8	13	12	7	12	0	36	9	2	9	3
14	OXIDE	oxygen	305.1678	35	12	23	3	1	2	6	0	0	0	11	1	8	3
15	MAGNESIUM	oxygen	266.8429	36	24	12	4	3	6	8	3	0	3	0	3	3	3
16	ATOM	oxygen	236.6212	35	15	20	1	1	2	11	0	0	18	0	0	0	2
17	JAR	oxygen	211.2101	30	24	6	2	0	2	19	1	0	0	2	3	1	0
18	WARMTH	oxygen	166.4706	16	9	7	0	2	1	6	0	0	0	4	0	3	0
19	BURNING	oxygen	158.0063	21	14	7	5	4	4	0	1	0	0	3	0	1	3
20	GLOWING	oxygen	154.8744	15	3	12	1	0	1	1	0	0	1	3	7	0	1

13. The top 20 collocates of *tube* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TEST	tube	4760.025	427	405	22	16	8	7	1	373	0	2	6	7	3	4
2	THE	tube	2020.248	477	345	132	59	22	45	155	64	0	3	55	24	21	29
3	A	tube	726.5295	208	135	73	14	4	24	81	12	0	17	29	8	9	10
4	IN	tube	708.9673	176	142	34	3	32	77	30	0	0	14	3	8	3	6
5	WATER	tube	409.3321	99	32	67	11	15	4	2	0	0	6	19	12	17	13
6	STOPPER	tube	406.0603	39	19	20	9	2	5	3	0	0	10	4	3	1	2
7	INTO	tube	333.7445	61	50	11	0	8	41	1	0	0	5	1	3	1	1
8	OF	tube	276.8058	123	72	51	15	12	27	16	2	0	19	4	10	11	7
9	GLASS	tube	252.3269	38	32	6	1	0	1	1	29	0	0	0	2	4	0
10	AND	tube	247.1044	98	49	49	18	26	5	0	0	0	24	3	7	8	7
11	BOILING	tube	244.2337	33	26	7	0	0	0	0	26	0	0	0	5	1	1
12	EACH	tube	228.948	44	42	2	1	0	1	31	9	0	0	1	1	0	0
13	FALLOPIAN	tube	197.5642	17	16	1	0	0	0	0	16	0	0	0	0	0	1
14	SOLUTION	tube	165.4186	31	15	16	4	10	0	1	0	0	0	3	7	3	3
15	BUNSEN	tube	160.0368	24	6	18	0	1	5	0	0	0	5	3	4	3	3
16	BURNER	tube	154.1925	23	9	14	3	0	1	5	0	0	0	5	3	3	3
17	SHAKE	tube	152.4303	16	13	3	0	0	10	3	0	0	0	2	1	0	0
18	TO	tube	147.3267	72	30	42	10	7	11	2	0	0	13	7	6	11	5
19	CONTAINING	tube	121.7872	17	0	17	0	0	0	0	0	0	16	0	0	1	0
20	LIMEWATER	tube	113.4794	17	8	9	2	6	0	0	0	0	3	4	1	0	1

14. The top 20 collocates of *gas* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	JAR	gas	1154.703	110	9	101	1	5	0	3	0	0	98	0	0	2	1
2	THE	gas	1046.42	326	226	100	26	32	15	28	125	0	1	19	35	24	21
3	A	gas	946.6449	239	176	63	21	43	14	16	82	0	5	23	12	13	10
4	LIQUID	gas	714.1813	89	63	26	3	8	17	33	2	0	1	5	5	8	7
5	OF	gas	662.6598	197	120	77	25	8	12	43	32	0	0	33	10	16	18
6	OXYGEN	gas	525.08	77	40	37	2	6	4	4	24	0	3	2	24	4	4
7	HYDROGEN	gas	495.6745	63	52	11	2	3	4	2	41	0	3	4	1	1	2
8	IS	gas	418.9016	125	50	75	7	16	14	12	1	0	37	13	4	9	12
9	AND	gas	411.7799	129	77	52	16	8	16	21	16	0	20	14	5	4	9
10	TO	gas	383.2852	121	65	56	7	14	22	16	6	0	14	9	14	10	9
11	DIOXIDE	gas	307.8432	48	26	22	5	3	5	1	12	0	0	6	4	7	5
12	SOLID	gas	300.8514	39	31	8	8	8	11	3	1	0	0	0	1	4	3
13	CARBON	gas	251.8492	43	21	22	5	4	1	11	0	0	1	5	6	5	5
14	COAL	gas	245.5239	27	23	4	3	4	5	8	3	0	2	0	1	0	1
15	COLOURLESS	gas	236.9253	23	17	6	0	1	7	2	7	0	3	2	0	0	1
16	NATURAL	gas	206.9281	24	22	2	0	0	2	0	20	0	1	1	0	0	0
17	OIL	gas	201.2977	28	25	3	0	1	7	8	9	0	1	0	0	0	2
18	OR	gas	181.88	45	36	9	2	1	1	8	24	0	4	2	1	2	0
19	IN	gas	178.7499	75	34	41	3	8	3	20	0	0	8	11	7	11	4
20	WATER	gas	178.4326	57	25	32	2	9	6	5	3	0	2	8	8	10	4

15. The top 20 collocates of *place* in the science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	place	1380.524	299	86	213	11	11	16	43	5	0	104	17	18	40	34
2	THE	place	974.8643	310	70	240	18	18	19	4	11	0	94	40	14	49	43
3	IN	place	960.3027	208	65	143	4	14	33	0	14	0	27	16	48	37	15
4	TAKES	place	434.6258	47	46	1	0	0	0	0	46	0	0	0	0	0	1
5	OF	place	356.0581	136	24	112	5	11	8	0	0	0	6	5	58	30	13
6	TAKE	place	290.6769	37	36	1	0	0	0	7	29	0	0	0	0	0	1
7	SOME	place	281.342	49	2	47	0	1	1	0	0	0	44	0	0	3	0
8	INTO	place	239.4477	47	8	39	2	4	1	0	1	0	0	0	13	13	13
9	ON	place	239.3205	57	2	55	0	1	1	0	0	0	0	5	30	14	6
10	TO	place	231.5861	89	46	43	2	3	14	9	18	0	25	0	7	4	7
11	WARM	place	210.3386	24	22	2	0	0	0	4	18	0	0	0	0	0	2
12	TEST	place	195.5517	39	14	25	4	1	9	0	0	0	1	10	2	1	11
13	FROM	place	153.8444	42	35	7	1	0	14	9	11	0	1	0	2	1	3
14	LEAVE	place	131.9288	19	19	0	5	13	0	1	0	0	0	0	0	0	0
15	AND	place	128.0842	66	46	20	9	4	4	1	28	0	9	3	2	2	4
16	TUBE	place	100.5665	23	15	8	2	3	1	9	0	0	0	0	5	1	2
17	WATER	place	100.3421	40	9	31	1	1	1	6	0	0	2	6	3	8	12
18	WHERE	place	94.64763	16	4	12	1	2	0	1	0	0	10	0	1	1	0
19	SEEDS	place	86.72801	15	0	15	0	0	0	0	0	0	0	10	1	0	4
20	MOIST	place	86.53526	11	0	11	0	0	0	0	0	0	1	3	0	6	1

Appendix C2: The top 20 collocates of the 15 most frequent content words in the six examinations corpora ranked by descending order of significance based on G^2 scores.

The top 20 collocates of the 15 most frequent content words in the English examinations corpus

1. The top 20 collocates of *answer* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOUR	answer	1854.801	272	266	6	1	0	0	0	265	0	0	2	1	3	0
2	QUESTIONS	answer	1812.723	190	0	190	0	0	0	0	0	0	2	138	5	11	34
3	QUESTION	answer	1704.756	177	92	85	30	0	59	3	0	0	33	9	1	33	9
4	THE	answer	1510.534	389	52	337	21	29	0	0	2	0	153	9	46	116	13
5	TWO	answer	1195.588	155	68	87	0	38	0	30	0	0	32	23	0	0	32
6	REFERENCE	answer	879.0251	95	0	95	0	0	0	0	0	0	0	89	6	0	0
7	GIVE	answer	876.5986	119	118	1	28	90	0	0	0	0	0	0	1	0	0
8	REASONS	answer	848.6252	98	98	0	0	0	98	0	0	0	0	0	0	0	0
9	THEN	answer	826.9478	113	113	0	0	0	0	0	113	0	0	0	0	0	0
10	AND	answer	735.6476	192	136	56	20	0	2	80	34	0	0	0	35	11	10
11	FOR	answer	677.9836	137	137	0	0	1	0	136	0	0	0	0	0	0	0
12	FOLLOW	answer	642.4252	79	0	79	0	0	0	0	0	0	0	0	0	78	1
13	SUPPORT	answer	589.3762	63	63	0	0	0	4	59	0	0	0	0	0	0	0
14	FOLLOWING	answer	550.4445	82	10	72	1	8	1	0	0	0	0	15	0	42	15
15	EITHER	answer	514.7769	67	0	67	0	0	0	0	0	0	57	0	0	0	10
16	ONE	answer	418.8587	79	30	49	0	0	0	29	1	0	13	34	1	0	1
17	WHICH	answer	414.1061	77	0	77	0	0	0	0	0	0	0	0	57	1	19
18	TO	answer	390.779	127	25	102	19	1	4	0	1	0	2	1	87	12	0
19	SECTIONS	answer	377.9825	50	0	50	0	0	0	0	0	0	20	0	0	20	10
20	READ	answer	365.4816	58	58	0	57	1	0	0	0	0	0	0	0	0	0

2. **The top 20 collocates of *page* in the English examinations corpus**

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TURN	page	1857.397	171	37	134	0	6	6	25	0	0	0	0	5	125	4
2	OVER	page	1497.203	167	37	130	0	0	6	6	25	0	0	0	0	5	125
3	ON	page	607.4585	116	105	11	2	6	15	2	80	0	10	0	0	0	1
4	PAPER	page	591.4629	80	8	72	4	0	1	2	1	0	0	1	70	1	0
5	SECTION	page	571.1486	86	25	61	1	1	2	7	14	0	0	0	0	58	3
6	ADVERTISEMENT	page	218.5859	30	30	0	1	4	0	25	0	0	0	0	0	0	0
7	PICTURE	page	129.8656	18	18	0	3	1	3	11	0	0	0	0	0	0	0
8	AT	page	120.6633	31	30	1	4	25	0	0	1	0	0	0	0	1	0
9	THE	page	110.4098	91	72	19	8	9	49	4	2	0	0	1	0	12	6
10	ONE	page	100.1569	28	18	10	8	0	0	0	10	0	0	10	0	0	0
11	MINUTES	page	95.46192	14	14	0	0	14	0	0	0	0	0	0	0	0	0
12	FIND	page	89.0881	16	3	13	0	0	0	0	3	0	0	0	0	6	7
13	LOOK	page	88.41919	18	18	0	16	0	1	1	0	0	0	0	0	0	0
14	COIMISIUN	page	83.80882	12	0	12	0	0	0	0	0	0	0	0	0	8	4
15	EACH	page	76.32607	17	17	0	0	2	0	14	1	0	0	0	0	0	0
16	CAREFULLY	page	65.81046	13	13	0	8	5	0	0	0	0	0	0	0	0	0
17	ADAPTED	page	63.52936	12	12	0	3	1	1	0	7	0	0	0	0	0	0
18	APPEARS	page	57.14598	7	7	0	0	0	0	7	0	0	0	0	0	0	0
19	WRITING	page	50.43562	11	10	1	10	0	0	0	0	0	0	1	0	0	0
20	VIEW	page	49.33134	8	8	0	5	2	0	1	0	0	0	0	0	0	0

3. The top 20 collocates of *section* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OVER	section	1199.205	127	123	4	30	0	0	0	93	0	0	2	1	0	1
2	TURN	section	1119.044	111	94	17	1	0	0	93	0	0	2	1	0	1	13
3	READ	section	1089.465	109	1	108	0	0	0	1	0	0	0	0	0	108	0
4	OF	section	958.9229	177	151	26	0	91	0	60	0	0	2	2	13	7	2
5	WRITING	section	605.5049	60	0	60	0	0	0	0	0	0	0	0	60	0	0
6	PAGE	section	571.1486	86	61	25	3	58	0	0	0	0	14	7	2	1	1
7	THIS	section	486.1142	86	4	82	0	0	1	0	3	0	0	1	2	0	79
8	EACH	section	430.0186	52	52	0	0	0	0	1	51	0	0	0	0	0	0
9	FUNCTIONAL	section	351.8041	30	0	30	0	0	0	0	0	0	0	30	0	0	0
10	FICTION	section	331.7143	30	0	30	0	0	0	0	0	0	0	30	0	0	0
11	MINUTES	section	321.0449	31	31	0	0	1	30	0	0	0	0	0	0	0	0
12	POETRY	section	312.7335	30	0	30	0	0	0	0	0	0	0	30	0	0	0
13	PERSONAL	section	306.8711	30	0	30	0	0	0	0	0	0	0	30	0	0	0
14	STUDIES	section	304.1759	30	0	30	0	0	0	0	0	0	0	0	30	0	0
15	MEDIA	section	296.8361	30	0	30	0	0	0	0	0	0	0	30	0	0	0
16	DRAMA	section	270.1856	30	0	30	0	0	0	0	0	0	0	30	0	0	0
17	READING	section	265.1013	32	0	32	0	0	0	0	0	0	0	31	1	0	0
18	CARRIES	section	220.3869	20	0	20	0	0	0	0	0	0	20	0	0	0	0
19	ANSWER	section	180.8701	41	0	41	0	0	0	0	0	0	0	0	0	10	31
20	WRITE	section	170.0282	30	0	30	0	0	0	0	0	0	0	0	0	0	30

4. The top 20 collocates of *think* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOU	think	1402.581	211	180	31	4	1	4	3	168	0	9	1	7	12	2
2	DO	think	1157.896	133	131	2	0	3	0	128	0	0	0	0	0	0	2
3	A	think	316.6509	86	9	77	5	3	1	0	0	0	2	30	15	11	19
4	ABOUT	think	309.9082	49	3	46	0	2	1	0	0	0	43	0	1	1	1
5	IS	think	271.4765	56	2	54	1	0	1	0	0	0	11	21	13	3	6
6	THE	think	246.8336	97	26	71	10	10	2	4	0	0	30	17	8	11	5
7	WHAT	think	179.4377	39	37	2	2	6	19	10	0	0	1	1	0	0	0
8	THIS	think	143.8328	37	6	31	1	3	2	0	0	0	12	5	3	3	8
9	WHY	think	141.7339	26	26	0	0	0	10	16	0	0	0	0	0	0	0
10	OR	think	112.5559	31	7	24	1	4	1	1	0	0	0	0	1	21	2
11	I	think	108.434	36	28	8	0	0	4	3	21	0	4	1	1	0	2
12	WOULD	think	107.8356	22	1	21	0	0	0	0	1	0	10	3	7	1	0
13	THAT	think	88.82655	26	3	23	0	0	1	2	0	0	19	0	0	2	2
14	OF	think	83.07781	40	20	20	5	12	3	0	0	0	12	1	3	2	2
15	POEM	think	82.45725	18	5	13	2	1	2	0	0	0	0	2	8	0	3
16	HAVE	think	76.84657	21	2	19	1	0	0	1	0	0	0	3	2	6	8
17	IT	think	75.81493	24	2	22	0	2	0	0	0	0	16	3	2	1	0
18	NOVEL	think	71.08778	12	0	12	0	0	0	0	0	0	0	0	12	0	0
19	GOOD	think	68.4782	13	0	13	0	0	0	0	0	0	0	0	0	10	3
20	POET	think	65.83643	11	2	9	1	0	1	0	0	0	0	8	0	0	1

5. The top 20 collocates of *poem* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THIS	poem	467.322	82	71	11	2	1	0	1	67	0	0	1	10	0	0
2	YOU	poem	463.7515	103	37	66	24	4	9	0	0	0	40	9	7	5	5
3	THE	poem		270	197	73	11	36	1	11	138	0	0	16	15	32	10
4	POETRY	poem	317.1645	30	30	0	9	21	0	0	0	0	0	0	0	0	0
5	STUDIED	poem	256.573	34	2	32	0	0	2	0	0	0	0	4	26	2	0
6	ANSWER	poem	228.1548	47	20	27	18	1	1	0	0	0	0	1	21	0	5
7	NAME	poem	219.7587	31	21	10	1	0	0	20	0	0	0	0	0	0	10
8	CHOOSE	poem	217.7468	29	17	12	0	0	1	16	0	0	0	10	1	0	1
9	AND	poem	212.2507	64	4	60	2	2	0	0	0	0	38	0	10	9	3
10	READ	poem	206.6587	31	31	0	1	0	9	21	0	0	0	0	0	0	0
11	OF	poem	199.2119	65	54	11	6	4	1	43	0	0	0	1	5	2	3
12	POET	poem	197.2581	25	6	19	2	2	2	0	0	0	0	1	15	3	0
13	HAVE	poem	179.7121	37	4	33	0	3	0	1	0	0	2	29	2	0	0
14	OR	poem	173.6408	41	26	15	2	12	9	3	0	0	2	1	3	3	6
15	WHICH	poem	168.4923	32	2	30	0	1	0	0	1	0	9	1	0	18	2
16	A	poem	150.6546	55	43	12	5	2	3	7	26	0	1	8	2	1	0
17	FROM	poem	124.8908	28	26	2	8	0	2	16	0	0	1	1	0	0	0
18	QUESTIONS	poem	119.9693	22	0	22	0	0	0	0	0	0	0	0	0	1	21
19	IN	poem	118.2698	39	30	9	3	0	2	25	0	0	5	0	0	2	2
20	THEN	poem	115.9145	22	0	22	0	0	0	0	0	0	0	21	0	0	1

6. The top 20 collocates of *write* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	write	629.1055	129	9	120	1	1	0	1	6	0	110	2	1	7	0
2	COMPOSITION	write	417.2816	36	0	36	0	0	0	0	0	0	0	26	10	0	0
3	THE	write	340.7453	112	20	92	0	3	11	6	0	0	37	16	2	25	12
4	PERSONAL	write	315.0463	30	30	0	0	0	30	0	0	0	0	0	0	0	0
5	WRITING	write	249.0105	30	30	0	0	0	0	30	0	0	0	0	0	0	0
6	TO	write	207.6134	60	34	26	1	1	3	1	28	0	5	0	15	3	3
7	ONE	write	198.7206	36	4	32	1	0	3	0	0	0	0	10	0	10	12
8	YOU	write	192.2537	58	23	35	7	11	2	3	0	0	0	2	7	18	8
9	OF	write	191.4421	62	5	57	1	2	2	0	0	0	0	2	32	11	12
10	LETTER	write	183.7693	20	1	19	0	0	0	0	1	0	0	18	1	0	0
11	ABOUT	write	176.3194	32	0	32	0	0	0	0	0	0	25	0	3	3	1
12	SPEECH	write	172.9566	18	0	18	0	0	0	0	0	0	0	16	2	0	0
13	ON	write	167.5279	39	6	33	4	2	0	0	0	0	0	0	12	21	0
14	FOR	write	150.1418	37	1	36	0	1	0	0	0	0	1	0	23	9	3
15	ANY	write	133.7092	21	0	21	0	0	0	0	0	0	0	10	0	0	11
16	SECTION	write	131.8	25	25	0	25	0	0	0	0	0	0	0	0	0	0
17	CONVERSATION	write	123.6032	13	0	13	0	0	0	0	0	0	0	2	2	0	9
18	PROSE	write	119.1405	10	0	10	0	0	0	0	0	0	0	10	0	0	0
19	STATED	write	119.1405	10	10	0	10	0	0	0	0	0	0	0	0	0	0
20	IN	write	102.6413	35	9	26	3	2	4	0	0	0	11	2	6	4	3

7. The top 20 collocates of *give* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	REASONS	give	1470.216	122	0	122	0	0	0	0	0	0	100	22	0	0	0
2	YOUR	give	1034.032	139	4	135	3	1	0	0	0	0	3	0	95	37	0
3	FOR	give	1016.85	138	0	138	0	0	0	0	0	0	0	98	37	1	2
4	ANSWER	give	876.5986	119	1	118	0	0	1	0	0	0	0	0	0	90	28
5	REASON	give	265.5373	26	0	26	0	0	0	0	0	0	0	25	0	1	0
6	THE	give	262.4205	96	16	80	4	5	1	6	0	0	37	3	0	34	6
7	YOU	give	229.1711	64	48	16	1	1	1	36	9	0	3	0	7	5	1
8	TITLE	give	209.2757	20	1	19	0	0	1	0	0	0	0	18	0	1	0
9	MUST	give	206.5771	29	29	0	0	0	0	0	29	0	0	0	0	0	0
10	A	give	117.1117	46	3	43	3	0	0	0	0	0	30	4	6	2	1
11	OF	give	107.238	44	3	41	1	0	2	0	0	0	1	1	34	2	3
12	TWO	give	103.5434	21	0	21	0	0	0	0	0	0	20	0	0	1	0
13	POEM	give	72.43719	16	3	13	0	0	0	0	3	0	0	2	1	0	10
14	CHOICE	give	69.08468	9	0	9	0	0	0	0	0	0	0	0	0	5	4
15	NAME	give	62.05122	12	1	11	0	0	1	0	0	0	0	10	1	0	0
16	PLAY	give	53.39106	11	1	10	1	0	0	0	0	0	0	0	0	0	10
17	BASED	give	48.77153	7	0	7	0	0	0	0	0	0	0	1	0	0	6
18	WOULD	give	46.24564	12	12	0	0	0	0	5	7	0	0	0	0	0	0
19	TEXT	give	43.78635	8	0	8	0	0	0	0	0	0	0	0	0	0	8
20	OPINION	give	42.22917	6	0	6	0	0	0	0	0	0	0	0	0	1	5

8. The top 20 collocates of *like* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOU	like	277.0202	69	58	11	3	3	3	12	37	0	6	1	1	1	2
2	TO	like	244.4456	63	14	49	2	2	2	5	3	0	32	3	3	5	6
3	A	like	234.764	66	25	41	3	5	11	6	0	0	28	3	5	1	4
4	WOULD	like	222.6119	35	35	0	2	0	2	20	11	0	0	0	0	0	0
5	I	like	175.8587	45	29	16	3	3	3	13	7	0	6	3	2	3	2
6	IT	like	120.9606	30	19	11	1	2	1	14	1	0	8	1	0	1	1
7	DISLIKE	like	103.3136	9	0	9	0	0	0	0	0	0	0	9	0	0	0
8	OR	like	101.9417	27	4	23	2	1	0	1	0	0	10	2	6	1	4
9	THE	like	99.60364	55	25	30	10	9	4	2	0	0	11	3	7	4	5
10	WHAT	like	84.4995	22	21	1	2	3	9	7	0	0	0	0	0	1	0
11	AND	like	82.78976	34	17	17	4	6	2	5	0	0	0	9	5	2	1
12	THIS	like	76.97319	23	1	22	0	1	0	0	0	0	9	1	9	2	1
13	THAT	like	71.58091	21	8	13	3	2	3	0	0	0	8	1	3	1	0
14	DID	like	64.55096	12	12	0	0	0	0	11	1	0	0	0	0	0	0
15	SHE	like	63.11798	15	6	9	2	1	2	1	0	0	2	2	1	0	4
16	WAS	like	59.30166	18	15	3	1	1	0	4	9	0	0	3	0	0	0
17	LOOKED	like	56.00601	8	7	1	0	1	0	0	6	0	0	0	0	1	0
18	ME	like	53.15115	13	5	8	0	0	1	1	3	0	3	1	3	1	0
19	ABOUT	like	50.97186	13	2	11	0	0	1	1	0	0	5	0	4	1	1
20	ONE	like	47.94189	13	7	6	6	1	0	0	0	0	1	2	1	1	1

9. The top 20 collocates of *questions* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	questions		221	212	9	8	0	13	52	139	0	1	1	3	2	2
2	ANSWER	questions	1812.723	190	190	0	34	11	5	138	2	0	0	0	0	0	0
3	THEN	questions	1128.411	113	113	0	0	0	113	0	0	0	0	0	0	0	0
4	FOLLOW	questions	912.6959	84	0	84	0	0	0	0	0	0	0	83	0	0	1
5	AND	questions	580.0394	112	109	3	2	82	25	0	0	0	0	1	2	0	0
6	FOLLOWING	questions	510.3701	61	61	0	1	0	0	11	49	0	0	0	0	0	0
7	WHICH	questions	450.7065	62	0	62	0	0	0	0	0	0	60	0	1	1	0
8	TWO	questions	229.5847	36	36	0	1	34	1	0	0	0	0	0	0	0	0
9	CAREFULLY	questions	229.472	27	27	0	13	14	0	0	0	0	0	0	0	0	0
10	PIECE	questions	188.7635	20	20	0	19	1	0	0	0	0	0	0	0	0	0
11	POEM	questions	119.9693	22	22	0	21	1	0	0	0	0	0	0	0	0	0
12	OF	questions	104.4482	41	41	0	0	2	39	0	0	0	0	0	0	0	0
13	ANSWERS	questions	94.29212	11	11	0	0	9	2	0	0	0	0	0	0	0	0
14	THAT	questions	82.99966	23	0	23	0	0	0	0	0	0	23	0	0	0	0
15	PASSAGE	questions	78.38886	11	10	1	10	0	0	0	0	0	0	0	0	0	1
16	EXTRACT	questions	73.89818	14	13	1	13	0	0	0	0	0	0	0	0	1	0
17	THREE	questions	70.75435	12	12	0	0	0	0	0	12	0	0	0	0	0	0
18	ANY	questions	24.37277	6	6	0	5	0	0	0	1	0	0	0	0	0	0
19	ONE	questions	22.21733	8	7	1	1	5	1	0	0	0	0	0	1	0	0
20	PAPER	questions	20.65753	6	6	0	6	0	0	0	0	0	0	0	0	0	0

10. The top 20 collocates of *following* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	following		247	217	30	0	9	0	0	208	0	3	1	3	7	16
2	OF	following	631.4136	122	120	2	1	3	0	116	0	0	0	1	0	1	0
3	ANSWER	following	550.4445	82	72	10	15	42	0	15	0	0	0	0	1	8	1
4	QUESTIONS	following	510.3701	61	0	61	0	0	0	0	0	0	49	11	0	0	1
5	ONE	following	416.2227	59	59	0	0	1	58	0	0	0	0	0	0	0	0
6	TWO	following	379.3658	52	52	0	0	0	52	0	0	0	0	0	0	0	0
7	EDITED	following	323.035	29	0	29	0	0	0	0	0	0	3	0	26	0	0
8	ANY	following	277.276	35	35	0	0	35	0	0	0	0	0	0	0	0	0
9	FORM	following	276.8164	29	0	29	0	0	0	0	0	0	0	0	0	29	0
10	TOPICS	following	233.8759	19	0	19	0	0	0	0	0	0	19	0	0	0	0
11	EXTRACT	following	219.0873	31	0	31	0	0	0	0	0	0	26	3	1	0	1
12	READ	following	184.5215	27	27	0	0	0	13	14	0	0	0	0	0	0	0
13	ANSWERS	following	179.3627	18	18	0	0	0	18	0	0	0	0	0	0	0	0
14	DRAMA	following	170.8824	20	20	0	0	0	0	20	0	0	0	0	0	0	0
15	IN	following	165.0963	44	1	43	0	0	0	1	0	0	10	30	1	1	1
16	FIND	following	136.9306	18	18	0	8	10	0	0	0	0	0	0	0	0	0
17	ON	following	135.3918	32	31	1	10	21	0	0	0	0	0	0	1	0	0
18	SHAKESPEAREAN	following	122.64	10	10	0	0	0	10	0	0	0	0	0	0	0	0
19	TITLES	following	122.64	10	0	10	0	0	0	0	0	0	10	0	0	0	0
20	IS	following	114.1764	29	0	29	0	0	0	0	0	0	2	5	2	0	20

11. The top 20 collocates of *question* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	question	1674.415	175	83	92	9	32	1	9	32	0	0	3	59	0	30
2	ONE	question	1630.793	157	64	93	1	29	1	32	1	0	62	0	29	2	0
3	TWO	question	1478.241	140	31	109	1	0	0	1	29	0	62	0	0	44	3
4	EITHER	question	547.3274	56	18	38	0	9	0	0	9	0	0	0	0	38	0
5	AND	question	488.2956	97	62	35	0	1	30	0	31	0	2	31	0	1	1
6	WORTH	question	414.0788	36	0	36	0	0	0	0	0	0	0	36	0	0	0
7	MARKS	question	316.6518	36	0	36	0	0	0	0	0	0	0	0	0	36	0
8	EACH	question	292.9996	36	36	0	0	0	0	0	36	0	0	0	0	0	0
9	IS	question	177.4226	38	1	37	0	0	0	1	0	0	37	0	0	0	0
10	OR	question	78.44427	22	11	11	0	0	0	0	11	0	0	11	0	0	0
11	OF	question	76.07814	33	20	13	1	8	6	5	0	0	0	0	0	0	13
12	DRAMA	question	70.6607	10	10	0	0	0	10	0	0	0	0	0	0	0	0
13	OVER	question	53.85767	12	12	0	3	0	0	1	8	0	0	0	0	0	0
14	SECTION	question	44.76886	11	9	2	9	0	0	0	0	0	0	0	0	2	0
15	TURN	question	41.82476	9	9	0	0	0	1	8	0	0	0	0	0	0	0
16	FUNCTIONAL	question	35.0184	5	5	0	5	0	0	0	0	0	0	0	0	0	0
17	STUDIES	question	31.69125	5	5	0	0	3	2	0	0	0	0	0	0	0	0
18	MEDIA	question	30.95201	5	5	0	3	2	0	0	0	0	0	0	0	0	0
19	PAGE	question	28.05594	10	10	0	6	4	0	0	0	0	0	0	0	0	0
20	A	question	25.63457	19	4	15	1	0	0	0	3	0	0	1	3	0	11

12. The top 20 collocates of *paper* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ON	paper	865.6212	114	106	8	1	60	13	30	2	0	0	1	1	4	2
2	EXAMINATION	paper	673.8686	58	46	12	18	0	0	0	28	0	0	0	0	0	12
3	PAGE	paper	591.4629	80	72	8	0	1	70	1	0	0	1	2	1	0	4
4	THIS	paper	539.7341	83	65	18	0	0	0	28	37	0	0	0	2	16	0
5	OF	paper	523.0291	105	100	5	1	0	1	5	93	0	0	0	0	1	4
6	HIGHER	paper	236.4661	20	20	0	0	0	0	20	0	0	0	0	0	0	0
7	ADVERTISEMENT	paper	231.686	26	20	6	19	0	0	1	0	0	0	0	4	2	0
8	PAGES	paper	212.7181	19	19	0	19	0	0	0	0	0	0	0	0	0	0
9	WHICH	paper	206.2552	34	17	17	0	12	5	0	0	0	0	16	1	0	0
10	LEVEL	paper	188.1279	20	20	0	0	0	0	0	20	0	0	0	0	0	0
11	ENGLISH	paper	176.1278	20	20	0	0	0	20	0	0	0	0	0	0	0	0
12	AND	paper	156.0955	47	28	19	0	6	21	1	0	0	12	5	0	0	2
13	SECTIONS	paper	154.2766	20	20	0	0	0	20	0	0	0	0	0	0	0	0
14	MARKS	paper	147.5061	20	0	20	0	0	0	0	0	0	0	0	20	0	0
15	QUOTED	paper	124.3806	10	10	0	0	10	0	0	0	0	0	0	0	0	0
16	SUGGESTED	paper	117.6824	10	0	10	0	0	0	0	0	0	0	0	10	0	0
17	ALL	paper	112.3137	20	20	0	20	0	0	0	0	0	0	0	0	0	0
18	SCENES	paper	110.3469	10	10	0	10	0	0	0	0	0	0	0	0	0	0
19	BASIS	paper	98.12855	10	0	10	0	0	0	0	0	0	0	0	10	0	0
20	ACCOMPANIES	paper		32	16	16	0	0	12	4	0	0	0	0	16	0	0

13. The top 20 collocates of *explain* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WHY	explain	706.5482	79	0	79	0	0	0	0	0	0	70	6	3	0	0
2	YOUR	explain	439.7523	71	9	62	5	2	2	0	0	0	55	1	0	4	2
3	REFERENCE	explain	260.0548	31	0	31	0	0	0	0	0	0	0	0	0	28	3
4	YOU	explain	225.9387	58	20	38	2	10	0	8	0	0	0	29	1	0	8
5	ANSWER	explain	193.1283	38	2	36	0	2	0	0	0	0	0	36	0	0	0
6	WITH	explain	181.2774	34	3	31	2	0	1	0	0	0	0	0	28	0	3
7	TO	explain	164.5536	47	8	39	1	0	3	0	4	0	1	0	1	3	34
8	THIS	explain	136.8415	32	6	26	1	1	3	1	0	0	0	12	2	6	6
9	THE	explain	129.5323	59	19	40	4	2	2	11	0	0	11	11	1	14	3
10	CHOICE	explain	95.18951	11	0	11	0	0	0	0	0	0	0	11	0	0	0
11	WHAT	explain	83.86453	21	1	20	0	0	1	0	0	0	18	0	1	0	1
12	CHARACTER	explain	78.98049	12	5	7	2	2	0	1	0	0	0	0	5	1	1
13	IT	explain	74.58656	21	3	18	1	2	0	0	0	0	0	9	2	4	3
14	HOW	explain	70.29594	14	0	14	0	0	0	0	0	0	14	0	0	0	0
15	AND	explain	64.3696	28	27	1	0	0	0	1	26	0	0	0	0	0	1
16	OR	explain	57.75304	18	10	8	2	6	0	2	0	0	0	4	0	3	1
17	WOULD	explain	51.92736	12	3	9	0	1	1	0	1	0	0	0	7	0	2
18	OF	explain	49.42745	26	6	20	0	3	3	0	0	0	0	0	18	2	0
19	POEM	explain	40.56166	10	5	5	2	1	0	0	2	0	0	0	3	1	1
20	ANY	explain	38.88708	8	0	8	0	0	0	0	0	0	7	1	0	0	0

14. The top 20 collocates of *story* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SHORT	story	1141.137	96	95	1	0	0	0	0	95	0	0	0	0	1	0
2	NOVEL	story	855.9748	73	73	0	0	7	66	0	0	0	0	0	0	0	0
3	OR	story	547.9661	82	75	7	1	0	8	66	0	0	1	3	1	1	1
4	THE	story	519.1794	125	98	27	8	41	2	4	43	0	0	10	2	8	7
5	A	story	356.708	81	66	15	8	32	0	14	12	0	0	6	2	1	6
6	STUDIED	story	349.0093	40	1	39	0	1	0	0	0	0	1	1	35	2	0
7	HAVE	story	255.9099	43	1	42	1	0	0	0	0	0	0	40	2	0	0
8	YOU	story	235.7261	59	3	56	0	1	1	1	0	0	42	5	4	2	3
9	CONTINUE	story	168.1372	16	16	0	0	0	1	15	0	0	0	0	0	0	0
10	OF	story	136.0657	45	26	19	11	2	2	11	0	0	16	0	0	2	1
11	THIS	story	125.8465	30	26	4	1	3	1	2	19	0	0	2	1	0	1
12	NARRATIVE	story	125.1438	10	10	0	0	10	0	0	0	0	0	0	0	0	0
13	DESCRIPTIVE	story	118.4455	10	10	0	0	0	10	0	0	0	0	0	0	0	0
14	DRAMATIC	story	114.3378	10	10	0	0	0	0	10	0	0	0	0	0	0	0
15	WHICH	story	114.1543	22	1	21	0	0	1	0	0	0	9	0	0	5	7
16	NAME	story	109.8229	17	17	0	17	0	0	0	0	0	0	0	0	0	0
17	IN	story	85.84346	28	14	14	9	0	2	3	0	0	3	1	0	9	1
18	INCLUDES	story	73.0779	7	0	7	0	0	0	0	0	0	0	3	0	0	4
19	TELL	story	68.88725	10	9	1	0	0	1	8	0	0	0	0	0	1	0
20	WRITE	story	61.80334	13	13	0	0	0	0	13	0	0	0	0	0	0	0

15. The top 20 collocates of *extract* in the English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	extract		188	125	63	3	11	5	34	72	0	0	6	12	23	22
2	THIS	extract	526.8312	80	72	8	0	3	0	1	68	0	3	4	1	0	0
3	READ	extract	313.9389	39	35	4	0	3	7	25	0	0	0	0	1	2	1
4	EDITED	extract	302.0224	27	4	23	0	0	0	0	4	0	0	22	1	0	0
5	FROM	extract	276.3798	44	27	17	7	0	3	17	0	0	6	3	3	3	2
6	IN	extract	245.6807	54	23	31	5	1	2	15	0	0	29	0	0	1	1
7	ANSWER	extract	228.4451	42	16	26	15	0	1	0	0	0	0	0	13	12	1
8	FORM	extract	224.3693	24	0	24	0	0	0	0	0	0	0	0	24	0	0
9	FOLLOWING	extract	219.0873	31	31	0	1	0	1	3	26	0	0	0	0	0	0
10	IS	extract	212.8327	42	3	39	0	1	0	2	0	0	8	4	5	21	1
11	CAREFULLY	extract	205.7242	24	4	20	0	0	2	2	0	0	20	0	0	0	0
12	TO	extract	188.3491	50	41	9	3	1	0	37	0	0	0	3	0	2	4
13	TAKEN	extract	178.8728	19	0	19	0	0	0	0	0	0	0	2	0	0	17
14	DRAMA	extract	177.4001	20	20	0	0	0	20	0	0	0	0	0	0	0	0
15	ABOVE	extract	168.9368	17	8	9	0	0	0	0	8	0	0	8	0	1	0
16	OF	extract	133.9922	44	27	17	1	5	2	19	0	0	1	1	6	4	5
17	SHAKESPEAREAN	extract	125.822	10	10	0	0	10	0	0	0	0	0	0	0	0	0
18	REFERENCE	extract	111.2759	16	16	0	0	0	16	0	0	0	0	0	0	0	0
19	AND	extract	109.7024	37	1	36	0	1	0	0	0	0	4	23	1	2	6
20	THEN	extract	86.04932	16	0	16	0	0	0	0	0	0	0	4	12	0	0

The top 20 collocates of the 15 most frequent content words in the geography examinations corpus

1. The top 20 collocates of *page* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OVER	page	794.4995	101	43	58	1	1	4	4	33	0	0	0	0	56	2
2	BOX	page	611.9161	109	100	9	2	1	1	11	85	0	0	0	0	0	9
3	TICK	page	534.2057	95	95	0	11	84	0	0	0	0	0	0	0	0	0
4	CORRECT	page	485.2174	97	97	0	1	1	11	84	0	0	0	0	0	0	0
5	THE	page	128.9785	104	104	0	3	11	84	6	0	0	0	0	0	0	0
6	EITHER	page	109.3914	23	0	23	0	0	0	0	0	0	0	0	0	0	23
7	ANSWER	page	80.72288	26	3	23	0	0	2	1	0	0	0	0	0	23	0
8	SECTION	page	79.89291	19	0	19	0	0	0	0	0	0	0	0	0	10	9
9	TEXT	page	60.31329	10	0	10	0	0	0	0	0	0	0	0	0	9	1
10	NEXT	page		11	11	0	0	0	0	4	7	0	0	0	0	0	0
11	COIMISIUN	page	31.6718	7	0	7	0	0	0	0	0	0	0	1	1	1	4
12	QUESTION	page	28.19487	5	5	0	4	1	0	0	0	0	0	0	0	0	0
13	BLANK	page		174	99	75	1	1	6	39	52	0	6	0	3	42	24
14	WARNING	page	24.06807	5	0	5	0	0	0	0	0	0	0	0	4	0	1
15	ON	page	18.6303	11	11	0	0	2	5	4	0	0	0	0	0	0	0
16	CONTINUES	page		10	10	0	2	4	4	0	0	0	0	0	0	0	0
17	IN	page	1.065171	6	6	0	2	1	2	1	0	0	0	0	0	0	0
18	AND	page	0.023437	6	6	0	2	0	2	2	0	0	0	0	0	0	0
19	TO	page	0.016825	5	5	0	0	0	4	1	0	0	0	0	0	0	0
20	OF	page		554	95	459	9	39	45	2	0	0	0	414	43	1	1

2. The top 20 collocates of *correct* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BOX	correct	3031.847	303	4	299	1	0	3	0	0	0	291	0	2	1	5
2	OF	correct	572.2101	159	21	138	12	8	1	0	0	0	0	1	1	125	11
3	PAGE	correct	485.2174	97	0	97	0	0	0	0	0	0	0	84	11	1	1
4	CIRCLE	correct	451.8331	48	48	0	0	0	0	48	0	0	0	0	0	0	0
5	EACH	correct	263.8935	44	1	43	0	1	0	0	0	0	0	0	43	0	0
6	STATEMENTS	correct	246.8994	39	20	19	5	7	4	4	0	0	19	0	0	0	0
7	OR	correct	192.6258	42	5	37	2	3	0	0	0	0	0	36	1	0	0
8	IN	correct	172.6879	63	12	51	4	3	0	5	0	0	0	47	2	0	2
9	ANSWER	correct	169.0049	39	1	38	0	1	0	0	0	0	37	0	0	1	0
10	ARE	correct	160.3966	36	20	16	3	6	6	0	5	0	0	16	0	0	0
11	OPTION	correct	91.77812	11	0	11	0	0	0	0	0	0	11	0	0	0	0
12	NUMBERED	correct	70.96768	8	2	6	0	0	2	0	0	0	0	0	6	0	0
13	THEREFORE	correct	67.55857	7	7	0	7	0	0	0	0	0	0	0	0	0	0
14	A	correct	61.05373	37	29	8	15	13	1	0	0	0	0	5	1	1	1
15	NORTH	correct	49.41089	12	11	1	6	4	1	0	0	0	0	0	0	1	0
16	TERMS	correct	43.67724	7	0	7	0	0	0	0	0	0	7	0	0	0	0
17	SHOULD	correct	42.81349	6	6	0	0	0	6	0	0	0	0	0	0	0	0
18	IS	correct	41.15095	23	22	1	1	6	10	1	4	0	0	0	0	0	1
19	NUMBERS	correct	40.05888	6	3	3	0	0	3	0	0	0	0	0	3	0	0
20	THE	correct		484	413	71	12	18	6	4	373	0	1	1	10	10	49

3. The top 20 collocates of *box* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TICK	box		293	291	2	2	0	287	2	0	0	2	0	0	0	0
2	CORRECT	box	3048.735	304	299	5	5	1	2	0	291	0	0	0	4	0	1
3	PAGE	box	595.4956	107	7	100	7	0	0	0	0	0	85	11	1	1	2
4	OF	box	394.1496	121	16	105	6	1	9	0	0	0	0	0	88	15	2
5	OVER	box	252.4439	42	3	39	2	0	0	1	0	0	10	0	0	0	29
6	OR	box	183.3703	39	3	36	3	0	0	0	0	0	35	1	0	0	0
7	SELECTION	box	59.99113	7	7	0	0	0	0	0	7	0	0	0	0	0	0
8	TICKING	box	49.61153	5	5	0	0	0	4	1	0	0	0	0	0	0	0
9	WARM	box	45.59377	7	3	4	3	0	0	0	0	0	2	0	1	0	1
10	IN	box	35.63812	26	17	9	4	0	3	10	0	0	1	2	2	1	3
11	METRES	box	33.40859	5	4	1	0	3	0	1	0	0	0	0	1	0	0
12	STATEMENTS	box	30.15721	9	7	2	7	0	0	0	0	0	0	0	0	0	2
13	ARE	box	30.03784	12	12	0	6	6	0	0	0	0	0	0	0	0	0
14	INDUSTRIAL	box	29.86167	6	4	2	4	0	0	0	0	0	0	1	0	0	1
15	WEST	box	29.59851	7	5	2	1	4	0	0	0	0	0	2	0	0	0
16	FRONT	box	28.52266	5	5	0	1	4	0	0	0	0	0	0	0	0	0
17	IS	box	25.63288	17	15	2	6	9	0	0	0	0	1	0	1	0	0
18	ECONOMIC	box	24.75395	6	3	3	2	0	1	0	0	0	1	0	1	0	1
19	NORTH	box	23.03707	7	5	2	4	1	0	0	0	0	0	0	1	0	1
20	SOUTH	box	19.99998	6	4	2	1	3	0	0	0	0	0	0	1	1	0

4. The top 20 collocates of *map* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	map		325	214	111	18	5	70	18	103	0	2	54	27	18	10
2	SURVEY	map	1084.526	115	104	11	7	2	0	0	95	0	0	0	0	7	4
3	ORDNANCE	map	1018.497	110	97	13	2	0	0	95	0	0	0	0	7	4	2
4	ON	map	580.2527	83	61	22	1	12	12	36	0	0	1	0	2	1	18
5	SKETCH	map	426.8214	46	46	0	0	0	0	0	46	0	0	0	0	0	0
6	SHOWN	map	323.4486	47	26	21	10	0	16	0	0	0	0	0	0	18	3
7	AND	map	303.1657	69	10	59	1	1	4	2	2	0	38	10	2	5	4
8	STUDY	map	248.5696	33	27	6	0	17	3	7	0	0	5	1	0	0	0
9	EXAMINE	map	247.4583	36	29	7	0	10	7	12	0	0	6	0	1	0	0
10	SHOWS	map	231.0163	39	0	39	0	0	0	0	0	0	26	7	2	4	0
11	LOOK	map	230.734	33	26	7	15	2	9	0	0	0	5	0	0	0	2
12	OF	map	224.622	83	13	70	2	5	0	6	0	0	37	0	7	15	11
13	DRAW	map	219.7214	26	26	0	0	0	26	0	0	0	0	0	0	0	0
14	AT	map	216.9073	43	35	8	0	24	1	10	0	0	2	4	1	0	1
15	SUPPLIED	map	211.7974	28	0	28	0	0	0	0	0	0	21	0	0	5	2
16	AREA	map	199.7504	36	12	24	3	7	2	0	0	0	0	0	19	4	1
17	KEY	map	191.5625	20	0	20	0	0	0	0	0	0	0	1	17	2	0
18	LEGEND	map	187.1662	20	0	20	0	0	0	0	0	0	1	17	2	0	0
19	A	map	169.9125	57	33	24	4	1	1	27	0	0	9	7	2	3	3
20	THIS	map	159.1662	37	22	15	0	0	1	3	18	0	1	2	9	1	2

5. The top 20 collocates of *tick* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PAGE	tick	534.2057	95	0	95	0	0	0	0	0	0	0	0	0	84	11
2	OR	tick	210.6557	41	5	36	0	2	0	3	0	0	0	0	0	35	1
3	A	tick	152.2041	53	47	6	12	9	15	11	0	0	0	0	0	5	1
4	ACTIVITY	tick	88.66248	12	12	0	4	1	3	0	4	0	0	0	0	0	0
5	IS	tick	84.25414	30	30	0	9	4	1	6	10	0	0	0	0	0	0
6	NORTH	tick	77.60651	15	15	0	3	1	6	4	1	0	0	0	0	0	0
7	FRONT	tick	67.40335	9	9	0	2	1	1	1	4	0	0	0	0	0	0
8	WEST	tick	60.59305	11	9	2	1	2	1	1	4	0	0	0	0	0	2
9	STACK	tick	55.45994	7	7	0	1	1	2	1	2	0	0	0	0	0	0
10	EAST	tick	54.7878	10	7	3	2	3	1	0	1	0	0	0	0	2	1
11	ISOBARS	tick	52.4637	6	5	1	0	1	3	0	1	0	0	0	0	1	0
12	RAINFALL	tick	47.04862	10	10	0	2	2	2	1	3	0	0	0	0	0	0
13	METRES	tick	44.873	6	6	0	2	0	2	0	2	0	0	0	0	0	0
14	STATEMENTS	tick	44.56443	11	11	0	0	0	5	6	0	0	0	0	0	0	0
15	ARE	tick	43.14437	14	14	0	1	1	0	6	6	0	0	0	0	0	0
16	LINES	tick	42.92791	7	7	0	3	1	1	0	2	0	0	0	0	0	0
17	LINEAR	tick	42.82831	5	4	1	0	0	3	0	1	0	0	0	0	0	1
18	CREEP	tick	40.63099	5	5	0	0	0	2	1	2	0	0	0	0	0	0
19	DELTA	tick	40.63099	5	5	0	0	1	0	2	2	0	0	0	0	0	0
20	SOUTH	tick	40.06498	9	9	0	4	0	1	1	3	0	0	0	0	0	0

6. The top 20 collocates of *answer* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	EITHER	answer	678.5372	72	0	72	0	0	0	0	0	0	71	1	0	0	0
2	QUESTIONS	answer	609.5735	71	0	71	0	0	0	0	0	0	0	47	9	3	12
3	THE	answer	571.2174	156	60	96	5	10	8	37	0	0	37	6	6	45	2
4	YOUR	answer	554.7397	71	71	0	4	9	0	0	58	0	0	0	0	0	0
5	OR	answer	500.0783	72	1	71	1	0	0	0	0	0	0	0	70	1	0
6	BOOK	answer	343.2506	32	0	32	0	0	0	0	0	0	32	0	0	0	0
7	CIRCLE	answer	327.642	36	36	0	0	0	36	0	0	0	0	0	0	0	0
8	OF	answer	256.1883	82	30	52	0	3	2	25	0	0	0	5	43	2	2
9	THREE	answer	249.4541	37	2	35	0	2	0	0	0	0	21	13	1	0	0
10	FOLLOW	answer	210.651	21	0	21	0	0	0	0	0	0	0	0	0	21	0
11	EACH	answer	199.0095	32	0	32	0	0	0	0	0	0	0	32	0	0	0
12	MARKS	answer	188.0603	28	18	10	0	0	0	0	18	0	0	0	10	0	0
13	RETURN	answer	187.2694	25	25	0	25	0	0	0	0	0	0	0	0	0	0
14	CORRECT	answer	169.0049	39	38	1	0	1	0	0	37	0	0	0	0	1	0
15	WITH	answer	160.3793	31	31	0	0	0	0	31	0	0	0	0	0	0	0
16	IN	answer	150.6153	48	13	35	0	0	0	13	0	0	34	0	0	0	1
17	FOLLOWING	answer	149.7284	25	1	24	0	1	0	0	0	0	0	7	0	5	12
18	FOLDER	answer	125.7754	20	20	0	0	0	20	0	0	0	0	0	0	0	0
19	GEOGRAPHICAL	answer	119.7301	15	15	0	0	0	0	15	0	0	0	0	0	0	0
20	MIX	answer	118.3187	15	15	0	0	0	0	0	15	0	0	0	0	0	0

7. The top 20 collocates of *population* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	population	686.3276	155	103	52	10	14	17	24	38	0	0	8	19	13	12
2	OF	population	294.4954	81	41	40	1	4	3	21	12	0	11	12	4	6	7
3	IN	population	191.7264	51	18	33	2	3	2	2	9	0	9	12	2	5	5
4	TOTAL	population	155.937	17	16	1	0	0	0	1	15	0	0	0	0	1	0
5	CHANGE	population	151.9728	17	4	13	0	0	1	2	1	0	13	0	0	0	0
6	HAS	population	141.2969	23	12	11	3	0	8	1	0	0	1	3	4	2	1
7	SHOWS	population	136.9932	24	20	4	2	4	0	12	2	0	0	0	0	2	2
8	STRUCTURE	population	121.9047	12	3	9	1	0	1	1	0	0	9	0	0	0	0
9	GROWTH	population	114.8584	13	0	13	0	0	0	0	0	0	13	0	0	0	0
10	PYRAMID	population	102.3616	11	4	7	0	1	3	0	0	0	5	0	1	1	0
11	AND	population	99.24912	29	7	22	5	0	0	1	1	0	5	0	4	5	8
12	LOW	population	97.58819	12	10	2	0	0	0	1	9	0	0	0	1	0	1
13	GROUPS	population	91.97787	10	9	1	1	1	7	0	0	0	0	0	0	1	0
14	A	population	81.03924	31	10	21	2	2	0	5	1	0	1	6	6	6	2
15	AGE	population	76.51009	10	8	2	1	7	0	0	0	0	0	0	1	1	0
16	MALES	population	76.43598	9	0	9	0	0	0	0	0	0	9	0	0	0	0
17	WHICH	population	68.68292	17	8	9	3	1	3	1	0	0	1	1	1	3	3
18	BETWEEN	population	67.05153	11	3	8	0	0	1	2	0	0	4	2	1	1	0
19	LARGEST	population	63.22184	7	5	2	0	0	0	0	5	0	0	0	0	2	0
20	EXAMINE	population	62.45494	12	7	5	1	1	0	5	0	0	1	4	0	0	0

8. The top 20 collocates of *name* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ONE	name	519.6041	70	3	67	0	3	0	0	0	0	56	0	4	6	1
2	THE	name	438.2222	120	43	77	8	13	6	7	9	0	46	3	7	10	11
3	AND	name	307.1895	60	20	40	2	2	8	0	8	0	26	0	7	1	6
4	OF	name	276.241	77	22	55	7	7	7	1	0	0	6	4	36	4	5
5	TWO	name	236.2452	37	0	37	0	0	0	0	0	0	19	3	13	2	0
6	FEATURE	name	181.9817	24	7	17	1	6	0	0	0	0	0	14	1	0	2
7	LABELLED	name	133.6093	19	5	14	0	1	4	0	0	0	0	0	5	6	3
8	FORMED	name	93.99784	14	5	9	1	0	2	2	0	0	0	0	9	0	0
9	COUNTRY	name	84.66174	15	4	11	3	1	0	0	0	0	0	7	4	0	0
10	RIVER	name	82.95501	14	4	10	0	0	1	3	0	0	0	1	0	5	4
11	GIVEN	name	82.73968	11	0	11	0	0	0	0	0	0	5	6	0	0	0
12	FEATURES	name	77.7568	12	1	11	1	0	0	0	0	0	0	4	3	3	1
13	IN	name	76.54205	29	9	20	2	4	2	1	0	0	0	0	8	7	5
14	EXPLAIN	name	75.83257	16	0	16	0	0	0	0	0	0	0	6	6	4	0
15	TYPE	name	71.18983	12	1	11	0	1	0	0	0	0	0	9	1	0	1
16	COASTAL	name	70.66932	10	4	6	0	1	1	2	0	0	0	1	0	3	2
17	CLIMATE	name	67.66379	12	6	6	0	0	2	4	0	0	0	1	3	2	0
18	WAY	name	67.13955	8	0	8	0	0	0	0	0	0	0	1	0	2	5
19	EROSION	name	66.36082	10	3	7	0	0	0	0	3	0	0	0	0	0	7
20	YOU	name	62.86911	15	6	9	0	3	1	0	2	0	0	0	3	4	2

9. The top 20 collocates of *photograph* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	AERIAL	photograph		88	74	14	8	1	0	0	65	0	0	0	8	3	3
2	STUDY	photograph	219.0516	27	13	14	0	0	10	3	0	0	10	2	1	0	1
3	THIS	photograph	201.0394	37	27	10	2	5	0	0	20	0	2	2	1	0	5
4	OF	photograph	189.0837	60	18	42	4	2	1	11	0	0	23	0	5	6	8
5	SHOWN	photograph	188.3269	28	26	2	0	5	21	0	0	0	0	0	0	2	0
6	THE	photograph		184	144	40	18	13	1	37	75	0	2	18	6	5	9
7	IN	photograph	166.2601	45	32	13	4	0	4	24	0	0	2	3	2	3	3
8	ON	photograph	115.7387	23	19	4	0	0	3	16	0	0	0	0	2	1	1
9	AND	photograph	110.82	30	13	17	1	2	1	9	0	0	9	2	3	1	2
10	A	photograph	106.9485	35	9	26	3	2	1	3	0	0	5	11	6	2	2
11	MAP	photograph	95.25146	22	13	9	2	3	8	0	0	0	0	2	1	2	4
12	SUPPLIED	photograph	87.34116	13	0	13	0	0	0	0	0	0	3	0	5	1	4
13	IS	photograph	86.25378	25	12	13	2	3	7	0	0	0	7	1	2	1	2
14	EVIDENCE	photograph	80.55439	10	9	1	0	4	5	0	0	0	0	0	0	0	1
15	SURVEY	photograph	75.0956	15	9	6	1	5	3	0	0	0	0	0	3	2	1
16	USING	photograph	70.13052	11	10	1	3	4	1	2	0	0	0	0	0	1	0
17	ORDNANCE	photograph	68.23576	14	8	6	5	3	0	0	0	0	0	3	2	1	0
18	LOOK	photograph	60.54938	11	7	4	2	1	4	0	0	0	2	0	2	0	0
19	FROM	photograph	60.2738	14	13	1	0	0	4	9	0	0	1	0	0	0	0
20	EXAMINE	photograph	57.38073	11	8	3	0	0	6	2	0	0	2	0	0	1	0

10. The top 20 collocates of *diagram* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	diagram	304.2926	67	35	32	2	4	5	2	22	0	4	12	9	1	6
2	THE	diagram		190	143	47	20	15	1	1	106	0	0	23	7	9	8
3	SHOWS	diagram	286.4618	40	0	40	0	0	0	0	0	0	29	8	2	1	0
4	OF	diagram	229.3255	67	24	43	7	2	2	12	1	0	16	1	3	14	9
5	IN	diagram	222.6601	54	45	9	4	1	4	33	3	0	0	0	3	2	4
6	THIS	diagram	163.6323	32	28	4	0	0	1	0	27	0	0	3	1	0	0
7	IS	diagram	152.5735	36	6	30	1	5	0	0	0	0	13	6	0	4	7
8	EXAMINE	diagram	149.3156	22	22	0	1	0	0	21	0	0	0	0	0	0	0
9	SHOWN	diagram	135.7242	22	22	0	0	0	22	0	0	0	0	0	0	0	0
10	FORMED	diagram	134.5208	18	2	16	1	1	0	0	0	0	3	4	0	2	7
11	FEATURE	diagram	126.3303	18	10	8	3	6	1	0	0	0	0	0	6	1	1
12	BELOW	diagram	111.213	19	5	14	0	2	0	3	0	0	12	0	0	0	2
13	HOW	diagram	97.1544	16	1	15	0	0	0	1	0	0	1	9	3	2	0
14	WITH	diagram	91.09486	19	13	6	10	3	0	0	0	0	6	0	0	0	0
15	ABOVE	diagram	89.10525	14	1	13	0	0	0	0	1	0	13	0	0	0	0
16	GLACIAL	diagram	75.12364	10	3	7	0	2	1	0	0	0	0	0	2	4	1
17	DEPOSITION	diagram	72.14738	10	4	6	3	0	0	1	0	0	0	0	1	2	3
18	EROSION	diagram	67.83509	10	7	3	2	2	3	0	0	0	0	0	0	1	2
19	COMMON	diagram	67.76368	6	6	0	0	3	0	3	0	0	0	0	0	0	0
20	STUDY	diagram	65.45994	11	11	0	1	0	0	10	0	0	0	0	0	0	0

11. The top 20 collocates of *area* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	area	403.5236	92	49	43	5	8	8	28	0	0	38	0	0	3	2
2	A	area	277.6291	62	43	19	22	5	6	10	0	0	2	7	5	1	4
3	AN	area	243.0742	37	30	7	0	0	0	4	26	0	0	0	1	3	3
4	ON	area	231.2641	37	2	35	0	0	0	2	0	0	3	25	6	0	1
5	SHOWN	area	229.9008	32	1	31	1	0	0	0	0	0	28	1	0	1	1
6	MAP	area	199.7504	36	24	12	1	4	19	0	0	0	0	0	2	7	3
7	SKETCH	area	168.5562	21	21	0	3	18	0	0	0	0	0	0	0	0	0
8	UP	area	136.5635	16	15	1	0	0	0	0	15	0	0	1	0	0	0
9	BUILT	area	136.5466	15	15	0	0	0	0	15	0	0	0	0	0	0	0
10	IN	area	104.0244	33	24	9	4	6	1	13	0	0	6	1	0	1	1
11	THE	area		180	115	65	18	7	19	20	51	0	1	14	33	13	4
12	IS	area	89.24352	25	6	19	0	2	2	2	0	0	7	0	7	3	2
13	SHADED	area	81.32766	8	7	1	0	0	0	0	7	0	1	0	0	0	0
14	RESIDENTIAL	area	74.03194	8	7	1	1	0	0	1	5	0	0	1	0	0	0
15	ESTATE	area	65.46873	7	2	5	1	1	0	0	0	0	0	1	1	1	2
16	TO	area	52.1125	18	9	9	2	3	1	3	0	0	2	1	1	4	1
17	PHOTOGRAPH	area	50.98355	12	0	12	0	0	0	0	0	0	0	0	1	9	2
18	MARKED	area	49.69768	7	1	6	0	1	0	0	0	0	6	0	0	0	0
19	ORDNANCE	area	49.36928	11	1	10	0	0	0	1	0	0	0	0	1	9	0
20	SURVEY	area	49.21381	11	1	10	0	0	0	0	1	0	0	0	0	1	9

12. The top 20 collocates of *explain* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WHY	explain	511.9997	52	1	51	0	0	0	1	0	0	18	1	28	1	3
2	HOW	explain	510.975	54	0	54	0	0	0	0	0	0	51	2	0	1	0
3	THE	explain	384.3773	105	47	58	17	9	16	5	0	0	9	8	7	22	12
4	TWO	explain	353.2887	48	4	44	3	1	0	0	0	0	38	2	3	0	1
5	REASONS	explain	285.5656	32	0	32	0	0	0	0	0	0	0	29	1	2	0
6	AND	explain	199.6309	43	39	4	1	5	2	7	24	0	0	0	3	1	0
7	ONE	explain	167.9618	30	4	26	1	1	2	0	0	0	19	2	1	3	1
8	FORMED	explain	137.0056	18	0	18	0	0	0	0	0	0	0	0	0	12	6
9	OF	explain	125.1332	46	21	25	3	8	10	0	0	0	0	5	9	8	3
10	BRIEFLY	explain	107.3421	12	10	2	0	0	0	0	10	0	2	0	0	0	0
11	PEOPLE	explain	106.6978	17	4	13	4	0	0	0	0	0	0	2	1	7	3
12	IT	explain	93.21001	16	0	16	0	0	0	0	0	0	0	15	0	0	1
13	NAME	explain	75.83257	16	16	0	0	4	6	6	0	0	0	0	0	0	0
14	WAYS	explain	74.92324	10	0	10	0	0	0	0	0	0	0	10	0	0	0
15	THIS	explain	72.15261	18	5	13	0	1	3	1	0	0	1	9	0	3	0
16	REASON	explain	65.73057	8	0	8	0	0	0	0	0	0	0	8	0	0	0
17	WAS	explain	64.88188	11	0	11	0	0	0	0	0	0	0	0	8	3	0
18	DIAGRAM	explain	64.45836	14	13	1	1	0	0	3	9	0	0	0	1	0	0
19	IS	explain	62.81107	20	1	19	0	1	0	0	0	0	0	2	8	6	3
20	YOU	explain	60.54261	14	7	7	0	2	5	0	0	0	0	3	1	3	0

13. The top 20 collocates of *shows* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DIAGRAM	shows	286.4618	40	40	0	0	1	2	8	29	0	0	0	0	0	0
2	OF	shows	245.1255	66	5	61	1	1	0	3	0	0	0	14	34	9	4
3	MAP	shows	231.0163	39	39	0	0	4	2	7	26	0	0	0	0	0	0
4	A	shows	220.771	52	3	49	0	3	0	0	0	0	26	3	2	7	11
5	THAT	shows	168.0941	25	2	23	0	0	0	0	2	0	15	2	0	3	3
6	THIS	shows	157.8361	30	30	0	0	1	6	23	0	0	0	0	0	0	0
7	POPULATION	shows	136.9932	24	4	20	2	2	0	0	0	0	2	12	0	4	2
8	WHICH	shows	134.0591	25	25	0	0	0	1	1	23	0	0	0	0	0	0
9	IN	shows	109.6686	33	6	27	0	2	4	0	0	0	0	0	9	13	5
10	TABLE	shows	102.3755	13	13	0	0	2	2	2	7	0	0	0	0	0	0
11	GRAPH	shows	99.07536	12	12	0	0	0	1	5	6	0	0	0	0	0	0
12	CHART	shows	83.49202	11	10	1	0	0	0	3	7	0	0	0	1	0	0
13	SOME	shows	79.59418	10	0	10	0	0	0	0	0	0	7	1	0	1	1
14	EXAMINE	shows	76.26489	13	13	0	4	9	0	0	0	0	0	0	0	0	0
15	STRUCTURE	shows	73.59315	8	2	6	0	1	1	0	0	0	0	1	5	0	0
16	WEATHER	shows	66.78629	11	9	2	1	3	2	3	0	0	0	1	1	0	0
17	BELOW	shows	61.5507	12	12	0	0	0	1	6	5	0	0	0	0	0	0
18	PLATES	shows	55.22592	7	3	4	0	0	3	0	0	0	0	0	2	1	1
19	SOIL	shows	53.90204	9	3	6	1	0	2	0	0	0	0	3	1	2	0
20	AND	shows	52.87605	18	7	11	1	4	2	0	0	0	0	2	2	3	4

14. The top 20 collocates of *survey* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MAP	survey	1084.526	115	11	104	4	7	0	0	0	0	95	0	0	2	7
2	THE	survey	713.4674	136	73	63	1	0	0	72	0	0	4	17	21	9	12
3	LOOK	survey	342.2953	38	26	12	8	18	0	0	0	0	6	6	0	0	0
4	AT	survey	259.7426	40	26	14	0	0	26	0	0	0	1	7	4	2	0
5	SUPPLIED	survey	244.064	27	0	27	0	0	0	0	0	0	0	21	0	0	6
6	STUDY	survey	242.4492	28	17	11	0	0	17	0	0	0	4	4	1	2	0
7	LEGEND	survey	218.2443	20	0	20	0	0	0	0	0	0	0	0	17	2	1
8	AND	survey	198.0042	41	6	35	1	0	1	4	0	0	3	27	1	1	3
9	PROVIDED	survey	191.5009	26	0	26	0	0	0	0	0	0	0	10	0	3	13
10	KEY	survey	191.3158	18	0	18	0	0	0	0	0	0	0	0	0	16	2
11	EXAMINE	survey	121.1573	18	9	9	0	0	9	0	0	0	5	4	0	0	0
12	AERIAL	survey	115.4912	16	5	11	2	3	0	0	0	0	0	3	5	1	2
13	EXTRACT	survey	92.57334	10	1	9	1	0	0	0	0	0	8	1	0	0	0
14	AGAIN	survey	83.69313	8	7	1	0	7	0	0	0	0	0	0	1	0	0
15	PHOTOGRAPH	survey	75.0956	15	6	9	1	2	3	0	0	0	0	0	3	5	1
16	ON	survey	74.7289	16	12	4	0	0	11	1	0	0	0	0	1	1	2
17	REFERENCES	survey	64.01638	7	6	1	4	2	0	0	0	0	0	1	0	0	0
18	AREA	survey	49.21381	11	10	1	9	1	0	0	0	0	1	0	0	0	0
19	SHOWN	survey	41.70448	9	9	0	0	9	0	0	0	0	0	0	0	0	0
20	USING	survey	40.53777	7	5	2	1	0	4	0	0	0	1	0	0	1	0

15. The top 20 collocates of *ordnance* in the geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MAP	ordnance	1018.497	110	13	97	2	4	7	0	0	0	0	95	0	0	2
2	THE	ordnance	673.9893	132	82	50	9	1	0	0	72	0	0	4	17	20	9
3	LOOK	ordnance	342.919	38	26	12	0	8	18	0	0	0	0	6	6	0	0
4	AT	ordnance	260.3983	40	26	14	0	0	0	26	0	0	0	1	7	4	2
5	STUDY	ordnance	242.8886	28	17	11	0	0	0	17	0	0	0	4	4	1	2
6	LEGEND	ordnance	203.1459	19	0	19	0	0	0	0	0	0	0	0	0	17	2
7	AND	ordnance	191.4986	40	8	32	2	1	0	1	4	0	0	3	27	1	1
8	SUPPLIED	ordnance	175.354	21	0	21	0	0	0	0	0	0	0	0	21	0	0
9	KEY	ordnance	162.8278	16	0	16	0	0	0	0	0	0	0	0	0	0	16
10	EXAMINE	ordnance	121.4263	18	9	9	0	0	0	9	0	0	0	5	4	0	0
11	SURVEY	ordnance		174	26	148	5	14	7	0	0	0	141	0	0	0	7
12	AERIAL	ordnance	106.1977	15	6	9	1	2	3	0	0	0	0	0	3	5	1
13	EXTRACT	ordnance	92.71959	10	1	9	0	1	0	0	0	0	0	8	1	0	0
14	AGAIN	ordnance	83.80944	8	7	1	0	0	7	0	0	0	0	0	0	1	0
15	PROVIDED	ordnance	75.03851	13	0	13	0	0	0	0	0	0	0	0	10	0	3
16	PHOTOGRAPH	ordnance	68.23576	14	6	8	0	1	2	3	0	0	0	0	0	3	5
17	REFERENCES	ordnance	64.1176	7	6	1	0	4	2	0	0	0	0	0	1	0	0
18	ON	ordnance	61.66401	14	12	2	0	0	0	11	1	0	0	0	0	1	1
19	GRID	ordnance	54.39834	8	6	2	4	2	0	0	0	0	0	1	0	0	1
20	AREA	ordnance	49.36928	11	10	1	0	9	1	0	0	0	0	1	0	0	0

The top 20 collocates of the 15 most frequent content words in the history examinations corpus

1. The top 20 collocates of *answer* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOUR	answer	949.8572	117	111	6	0	0	0	0	111	0	0	0	0	6	0
2	BOOK	answer	878.5892	89	3	86	0	3	0	0	0	0	86	0	0	0	0
3	PAPER	answer	838.6719	92	85	7	0	0	78	0	7	0	0	0	0	0	7
4	FOLLOWING	answer	731.7097	101	10	91	10	0	0	0	0	0	0	61	0	30	0
5	THIS	answer	607.425	89	76	13	0	75	0	0	1	0	6	0	0	7	0
6	AND	answer	523.0333	116	67	49	10	7	0	47	3	0	0	20	17	9	3
7	A	answer	482.9132	114	21	93	0	1	0	20	0	0	20	1	1	60	11
8	IN	answer	466.6606	119	91	28	0	20	20	51	0	0	0	7	0	11	10
9	THE	answer	422.9348	155	44	111	22	4	7	11	0	0	63	4	43	0	1
10	MARKS	answer	403.9898	59	40	19	0	0	0	0	40	0	0	0	19	0	0
11	ACCOMPANY	answer	399.9126	40	40	0	40	0	0	0	0	0	0	0	0	0	0
12	THEN	answer	306.3874	40	40	0	0	0	0	0	40	0	0	0	0	0	0
13	SEPARATE	answer	260.1878	27	20	7	0	0	0	0	20	0	0	0	0	7	0
14	HISTORY	answer	206.2691	32	26	6	0	0	26	0	0	0	0	3	0	3	0
15	OVER	answer	183.5997	30	16	14	6	3	0	0	7	0	0	0	14	0	0
16	WITH	answer	177.7757	35	35	0	0	0	0	35	0	0	0	0	0	0	0
17	INCLUDE	answer	168.7084	17	17	0	17	0	0	0	0	0	0	0	0	0	0
18	RETURN	answer	165.7127	18	18	0	18	0	0	0	0	0	0	0	0	0	0
19	EXAMINATION	answer	164.8322	27	21	6	0	1	0	20	0	0	0	0	0	0	6
20	HELP	answer	162.867	20	20	0	0	20	0	0	0	0	0	0	0	0	0

2. The top 20 collocates of *picture* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SHOWS	picture		68	1	67	0	0	0	1	0	0	0	36	1	30	0
2	A	picture	1181.33	186	59	127	1	6	14	1	37	0	46	2	46	2	31
3	IS	picture	279.3296	48	9	39	0	2	4	2	1	0	0	19	2	18	0
4	QUESTIONS	picture	235.4032	37	37	0	4	14	0	19	0	0	0	0	0	0	0
5	OF	picture	235.0566	81	56	25	6	15	9	26	0	0	7	0	0	6	12
6	PAGE	picture	214.2908	40	36	4	8	28	0	0	0	0	0	0	1	2	1
7	FOLLOWING	picture	162.9817	33	33	0	14	0	19	0	0	0	0	0	0	0	0
8	THE	picture	159.7169	84	62	22	5	28	4	1	24	0	0	4	7	4	7
9	PICTURES	picture	157.589	24	20	4	0	2	1	1	16	0	0	2	0	1	1
10	FROM	picture	136.7244	34	25	9	0	2	0	12	11	0	0	0	1	1	7
11	SOURCE	picture	112.6705	23	9	14	3	3	1	2	0	0	0	7	3	4	0
12	AND	picture	111.6751	41	19	22	0	0	8	3	8	0	0	13	0	6	3
13	EVIDENCE	picture	80.68619	14	8	6	0	2	5	1	0	0	0	0	1	0	5
14	IN	picture	80.16511	39	36	3	3	0	0	9	24	0	0	0	0	0	3
15	AN	picture	64.22404	19	0	19	0	0	0	0	0	0	0	0	9	1	9
16	ANSWER	picture	60.91121	20	19	1	19	0	0	0	0	0	0	0	0	1	0
17	PIECE	picture	55.20447	9	5	4	4	1	0	0	0	0	0	0	4	0	0
18	ARTIST	picture	43.30708	7	0	7	0	0	0	0	0	0	0	0	0	7	0
19	PAINTING	picture	42.24868	6	0	6	0	0	0	0	0	0	0	0	0	6	0
20	GIVE	picture	39.33512	13	1	12	1	0	0	0	0	0	6	3	1	0	2

3. The top 20 collocates of *name* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ONE	name	774.2733	114	2	112	0	1	1	0	0	0	85	15	1	3	8
2	THE	name	409.4818	128	45	83	5	8	6	3	23	0	18	19	8	21	17
3	TWO	name	376.4365	65	1	64	0	0	1	0	0	0	61	2	0	0	1
4	OF	name	370.5447	100	13	87	1	5	7	0	0	0	36	10	31	6	4
5	LEADER	name	167.5305	25	0	25	0	0	0	0	0	0	0	12	10	3	0
6	THAT	name	131.8741	32	1	31	0	0	1	0	0	0	0	0	11	11	9
7	WHICH	name	128.8306	25	0	25	0	0	0	0	0	0	0	0	13	9	3
8	FROM	name	114.5832	29	10	19	1	1	6	2	0	0	0	0	6	6	7
9	RENAISSANCE	name	110.8684	17	1	16	0	0	1	0	0	0	0	13	2	1	0
10	AND	name	70.98843	30	10	20	0	1	1	0	8	0	1	0	4	11	4
11	HINTS	name	65.32591	13	13	0	0	0	0	0	13	0	0	0	0	0	0
12	REFORMER	name	60.29118	9	0	9	0	0	0	0	0	0	0	1	6	1	1
13	ASSOCIATED	name	59.56063	8	1	7	1	0	0	0	0	0	0	0	6	1	0
14	TOMB	name	58.37049	7	0	7	0	0	0	0	0	0	0	0	0	6	1
15	STAGES	name	58.20388	6	0	6	0	0	0	0	0	0	0	5	0	1	0
16	GIVEN	name	56.6119	8	0	8	0	0	0	0	0	0	1	7	0	0	0
17	IN	name	54.39774	30	13	17	6	5	2	0	0	0	0	0	8	4	5
18	WHO	name	54.20486	12	0	12	0	0	0	0	0	0	0	0	3	8	1
19	BRITISH	name	52.69351	9	0	9	0	0	0	0	0	0	0	6	1	0	2
20	OUTSIDE	name	52.68525	8	0	8	0	0	0	0	0	0	0	0	0	4	4

4. The top 14 collocates of *page* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	page	1109.121	189	9	180	0	4	3	2	0	0	0	174	1	4	1
2	TURN	page	591.9098	60	28	32	0	0	0	28	0	0	0	0	8	24	0
3	OVER	page	541.5576	60	28	32	0	0	0	0	28	0	0	0	0	8	24
4	PICTURE	page	214.2908	40	4	36	1	2	1	0	0	0	0	0	0	28	8
5	SOURCE	page	98.67193	20	20	0	9	6	3	2	0	0	0	0	0	0	0
6	DOCUMENT	page	85.55982	16	0	16	0	0	0	0	0	0	0	0	0	4	12
7	ANSWER	page	56.84718	18	6	12	0	4	0	2	0	0	0	0	4	6	2
8	BOOK	page	26.39947	7	6	1	0	0	4	0	2	0	0	0	0	1	0
9	YOUR	page	16.86603	7	7	0	5	0	2	0	0	0	0	0	0	0	0
10	NAME	page	10.93825	6	0	6	0	0	0	0	0	0	0	0	0	1	5
11	GIVE	page	8.04349	5	0	5	0	0	0	0	0	0	0	0	0	4	1
12	A	page	6.997433	11	4	7	1	0	1	0	2	0	0	0	4	1	2
13	THE	page	1.078929	18	5	13	2	0	3	0	0	0	0	2	0	4	7
14	IN	page	0.391325	7	6	1	0	4	2	0	0	0	0	0	0	0	1

5. The top 20 collocates of *following* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	following		277	225	52	7	1	0	0	217	0	1	18	18	7	8
2	OF	following	1350.578	209	183	26	0	44	1	138	0	0	0	9	0	9	8
3	QUESTIONS	following	733.0929	81	0	81	0	0	0	0	0	0	81	0	0	0	0
4	ANSWER	following	731.7097	101	91	10	0	30	0	61	0	0	0	0	0	0	10
5	A	following	646.4371	119	0	119	0	0	0	0	0	0	23	55	15	22	4
6	TERMS	following	448.9673	44	0	44	0	0	0	0	0	0	44	0	0	0	0
7	EXPLAIN	following	366.0047	46	45	1	3	42	0	0	0	0	0	0	1	0	0
8	THEN	following	354.7852	41	41	0	0	1	40	0	0	0	0	0	0	0	0
9	TWO	following	309.413	56	54	2	0	0	54	0	0	0	0	2	0	0	0
10	PAPER	following	292.9626	40	40	0	40	0	0	0	0	0	0	0	0	0	0
11	RELATING	following	281.9409	26	0	26	0	0	0	0	0	0	0	26	0	0	0
12	AND	following	252.9285	63	42	21	0	40	2	0	0	0	0	2	1	12	6
13	ONE	following	223.4322	48	48	0	0	0	47	1	0	0	0	0	0	0	0
14	ACCOUNT	following	219.1935	33	33	0	32	0	1	0	0	0	0	0	0	0	0
15	PICTURE	following	162.9817	33	0	33	0	0	0	0	0	0	0	0	19	0	14
16	MARKS	following	109.8563	21	21	0	20	1	0	0	0	0	0	0	0	0	0
17	DOCUMENT	following	109.2434	19	0	19	0	0	0	0	0	0	0	0	19	0	0
18	TO	following	93.63153	31	2	29	1	0	0	1	0	0	0	0	28	0	1
19	IN	following	80.37572	36	11	25	1	5	0	5	0	0	1	13	1	2	8
20	QUESTION	following	77.44966	10	0	10	0	0	0	0	0	0	10	0	0	0	0

6. The top 20 collocates of *give* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WHY	give	954.014	111	0	111	0	0	0	0	0	0	0	0	110	0	1
2	TWO	give	690.0672	98	0	98	0	0	0	0	0	0	97	0	0	1	0
3	ONE	give	589.5958	93	0	93	0	0	0	0	0	0	92	0	0	1	0
4	REASON	give	587.2302	58	3	55	0	3	0	0	0	0	0	54	1	0	0
5	REASONS	give	571.5815	63	0	63	0	0	0	0	0	0	0	63	0	0	0
6	EVIDENCE	give	423.2463	45	0	45	0	0	0	0	0	0	0	0	0	45	0
7	THE	give	317.6002	109	43	66	6	13	5	19	0	0	4	3	0	54	5
8	OF	give	309.6205	88	17	71	4	3	7	3	0	0	0	0	64	4	3
9	PIECE	give	306.4349	30	0	30	0	0	0	0	0	0	0	30	0	0	0
10	FROM	give	211.9328	43	21	22	1	1	19	0	0	0	0	0	3	0	19
11	TO	give	165.9532	44	9	35	0	1	0	0	8	0	2	1	2	3	27
12	PIECES	give	149.8353	15	0	15	0	0	0	0	0	0	0	15	0	0	0
13	EXAMPLE	give	66.35528	9	0	9	0	0	0	0	0	0	0	9	0	0	0
14	RENAISSANCE	give	61.94975	11	3	8	0	0	1	1	1	0	0	0	0	0	8
15	CENTURY	give	52.54605	11	11	0	0	0	2	6	3	0	0	0	0	0	0
16	YOUR	give	41.58862	12	5	7	5	0	0	0	0	0	0	0	0	4	3
17	PICTURE	give	39.33512	13	12	1	2	0	1	3	6	0	0	0	0	0	1
18	CONSEQUENCES	give	35.63733	5	0	5	0	0	0	0	0	0	0	5	0	0	0
19	THERE	give	34.24285	8	0	8	0	0	0	0	0	0	0	0	0	8	0
20	WERE	give	33.86246	11	0	11	0	0	0	0	0	0	0	0	0	0	11

7. The top 20 collocates of *people* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	people	609.6384	137	90	47	5	6	9	14	56	0	0	16	10	15	6
2	DESCRIBED	people	416.0667	38	0	38	0	0	0	0	0	0	38	0	0	0	0
3	SELECT	people	411.1196	38	38	0	0	38	0	0	0	0	0	0	0	0	0
4	BELOW	people	347.6953	38	0	38	0	0	0	0	0	0	0	38	0	0	0
5	IN	people	227.5962	59	6	53	1	3	1	0	1	0	33	10	7	2	1
6	ONE	people	200.5705	41	41	0	2	1	38	0	0	0	0	0	0	0	0
7	OF	people	193.2978	60	52	8	3	2	2	41	4	0	4	0	1	0	3
8	HISTORY	people	144.1304	21	1	20	1	0	0	0	0	0	0	20	0	0	0
9	WERE	people	132.6671	25	8	17	0	2	4	1	1	0	13	0	2	0	2
10	MARKS	people	113.7273	20	0	20	0	0	0	0	0	0	0	0	0	20	0
11	TO	people	110.6984	31	16	15	4	4	2	5	1	0	7	3	4	1	0
12	MANY	people	106.4492	14	13	1	0	0	1	1	11	0	0	0	0	0	1
13	ANSWER	people	78.51298	20	0	20	0	0	0	0	0	0	0	0	0	0	20
14	THAT	people	69.80117	19	15	4	1	2	2	8	2	0	1	2	1	0	0
15	LIVED	people	62.88235	7	0	7	0	0	0	0	0	0	2	5	0	0	0
16	WHO	people	47.66268	10	1	9	0	1	0	0	0	0	9	0	0	0	0
17	DANGERS	people	42.64463	5	4	1	0	0	4	0	0	0	0	0	0	0	1
18	AND	people	39.8844	19	12	7	3	3	2	2	2	0	0	0	5	2	0
19	WHY	people	38.42359	11	11	0	2	2	3	4	0	0	0	0	0	0	0
20	SAW	people	36.67458	5	3	2	1	1	0	0	1	0	1	0	0	1	0

8. The top 20 collocates of *write* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	write	530.7431	108	10	98	3	4	2	1	0	0	0	0	52	10	36
2	ABOUT	write	507.732	57	0	57	0	0	0	0	0	0	49	0	0	8	0
3	ACCOUNT	write	481.1839	55	0	55	0	0	0	0	0	0	0	55	0	0	0
4	AN	write	413.9439	59	0	59	0	0	0	0	0	0	55	0	0	0	4
5	PERSON	write	352.6175	41	0	41	0	0	0	0	0	0	0	0	40	0	1
6	THE	write	330.061	97	15	82	0	11	3	1	0	0	27	15	0	17	23
7	THAT	write	271.1682	47	1	46	1	0	0	0	0	0	0	40	0	2	4
8	TITLE	write	229.3728	20	0	20	0	0	0	0	0	0	0	20	0	0	0
9	SELECTED	write	221.3382	20	0	20	0	0	0	0	0	0	0	0	20	0	0
10	DOWN	write	180.0084	20	0	20	0	0	0	0	0	0	20	0	0	0	0
11	ONE	write	168.3056	36	2	34	0	0	1	0	1	0	0	12	0	16	6
12	AT	write	114.9661	20	0	20	0	0	0	0	0	0	0	0	0	20	0
13	TWO	write	83.7401	21	0	21	0	0	0	0	0	0	0	0	0	20	1
14	NEED	write	65.31776	8	8	0	0	0	4	4	0	0	0	0	0	0	0
15	SINCE	write	61.76277	10	10	0	2	7	1	0	0	0	0	0	0	0	0
16	FACT	write	61.4878	8	0	8	0	0	0	0	0	0	0	0	8	0	0
17	READ	write	47.15108	6	5	1	0	0	0	3	2	0	0	1	0	0	0
18	A	write	41.34397	20	2	18	2	0	0	0	0	0	0	0	0	1	17
19	YOU	write	39.49316	11	11	0	4	6	1	0	0	0	0	0	0	0	0
20	NOT	write	37.30093	8	8	0	0	0	3	4	1	0	0	0	0	0	0

9. The top 20 collocates of *source* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PRIMARY	source	165.6645	15	15	0	1	3	0	0	11	0	0	0	0	0	0
2	OF	source	129.7182	46	21	25	2	11	3	4	1	0	2	1	8	6	8
3	PICTURE	source	112.6705	23	14	9	0	4	3	7	0	0	0	2	1	3	3
4	A	source	103.99	33	18	15	3	0	0	15	0	0	1	5	2	5	2
5	PAGE	source	98.67193	20	0	20	0	0	0	0	0	0	0	2	3	6	9
6	IS	source	92.16024	19	5	14	2	0	3	0	0	0	1	6	6	0	1
7	FROM	source	73.88883	19	8	11	0	2	0	1	5	0	1	0	5	1	4
8	DUCHAS	source	57.36802	5	0	5	0	0	0	0	0	0	4	0	0	0	1
9	CORBIS	source	57.36802	5	0	5	0	0	0	0	0	0	3	2	0	0	0
10	HERITAGE	source	57.36802	5	0	5	0	0	0	0	0	0	0	0	5	0	0
11	THE	source	56.55686	39	5	34	1	1	1	0	2	0	7	7	5	9	6
12	MARKS	source	43.82698	10	10	0	0	0	1	0	9	0	0	0	0	0	0
13	SERVICE	source	42.24794	5	0	5	0	0	0	0	0	0	0	0	0	5	0
14	SECONDARY	source		11	9	2	0	0	0	0	9	0	0	1	1	0	0
15	NATIONAL	source	38.33614	5	0	5	0	0	0	0	0	0	3	2	0	0	0
16	WHICH	source	34.40583	9	2	7	0	1	1	0	0	0	1	5	0	0	1
17	STUDY	source	30.41945	6	5	1	0	0	0	0	5	0	0	1	0	0	0
18	WHAT	source	29.34633	9	4	5	0	3	1	0	0	0	0	2	3	0	0
19	BY	source	29.19546	9	3	6	0	2	1	0	0	0	0	1	2	1	2
20	EXTRACT	source	28.50938	6	0	6	0	0	0	0	0	0	0	2	1	2	1

10. The top 20 collocates of *mention* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TWO	mention	483.0869	68	1	67	0	0	0	1	0	0	67	0	0	0	0
2	ONE	mention	409.9254	64	0	64	0	0	0	0	0	0	56	0	0	8	0
3	IN	mention	186.0484	49	14	35	7	7	0	0	0	0	0	0	24	8	3
4	OF	mention	169.6925	52	5	47	1	0	4	0	0	0	0	4	41	0	2
5	THE	mention	158.9707	62	12	50	0	6	5	1	0	0	9	0	1	29	11
6	CHANGE	mention	142.6245	17	2	15	2	0	0	0	0	0	0	9	6	0	0
7	OR	mention	120.8696	23	14	9	0	0	1	0	13	0	0	0	2	1	6
8	BY	mention	100.7114	20	1	19	1	0	0	0	0	0	0	0	0	15	4
9	MAJOR	mention	94.44516	12	0	12	0	0	0	0	0	0	0	11	0	1	0
10	APART	mention	72.50047	8	8	0	1	5	2	0	0	0	0	0	0	0	0
11	CENTURY	mention	69.8941	12	12	0	0	0	7	2	3	0	0	0	0	0	0
12	WAYS	mention	65.21613	7	0	7	0	0	0	0	0	0	0	7	0	0	0
13	TAKEN	mention	61.92995	9	0	9	0	0	0	0	0	0	0	0	6	2	1
14	WHICH	mention	61.43036	13	0	13	0	0	0	0	0	0	0	0	1	12	0
15	EFFECTS	mention	51.94439	7	0	7	0	0	0	0	0	0	0	7	0	0	0
16	CONSEQUENCES	mention	50.7279	6	0	6	0	0	0	0	0	0	0	6	0	0	0
17	CHANGES	mention	44.51889	8	0	8	0	0	0	0	0	0	0	4	4	0	0
18	DANGERS	mention	44.2988	5	0	5	0	0	0	0	0	0	0	5	0	0	0
19	FACED	mention	44.11409	6	0	6	0	0	0	0	0	0	0	0	5	1	0
20	HAVE	mention	43.85186	9	4	5	0	0	4	0	0	0	0	0	0	3	2

11. The top 20 collocates of *marks* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	marks	403.9898	59	19	40	0	0	19	0	0	0	40	0	0	0	0
2	DOCUMENTS	marks	384.9922	39	19	20	0	0	0	19	0	0	0	0	1	19	0
3	PICTURES	marks	360.9642	39	19	20	0	0	0	19	0	0	0	0	20	0	0
4	HISTORY	marks	358.325	40	40	0	0	20	0	20	0	0	0	0	0	0	0
5	STUDY	marks	285.6957	31	0	31	0	0	0	0	0	0	30	0	0	1	0
6	AFTERNOON	marks	235.1067	20	0	20	0	0	0	0	0	0	0	0	0	20	0
7	WORTH	marks	227.0712	20	20	0	0	0	0	20	0	0	0	0	0	0	0
8	THE	marks	217.963	73	3	70	2	0	1	0	0	0	0	44	2	22	2
9	SHORT	marks	201.9684	19	19	0	0	19	0	0	0	0	0	0	0	0	0
10	EACH	marks	185.7284	20	20	0	1	19	0	0	0	0	0	0	0	0	0
11	IS	marks	181.6265	30	20	10	0	0	20	0	0	0	0	0	5	5	0
12	LEVEL	marks	174.5983	20	20	0	0	0	0	20	0	0	0	0	0	0	0
13	QUESTIONS	marks	115.9397	19	19	0	0	0	0	19	0	0	0	0	0	0	0
14	PEOPLE	marks	113.7273	20	20	0	0	20	0	0	0	0	0	0	0	0	0
15	FOLLOWING	marks	109.8563	21	0	21	0	0	0	0	0	0	0	0	0	1	20
16	TWO	marks	102.5056	23	0	23	0	0	0	0	0	0	0	0	23	0	0
17	READ	marks	95.64488	10	0	10	0	0	0	0	0	0	10	0	0	0	0
18	HIGHER	marks	86.53221	10	10	0	0	0	10	0	0	0	0	0	0	0	0
19	ORDINARY	marks	86.53221	10	10	0	0	0	10	0	0	0	0	0	0	0	0
20	OF	marks	67.39217	31	3	28	1	0	2	0	0	0	0	0	20	2	6

12. The top 20 collocates of *questions* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions		149	129	20	30	0	51	22	26	0	1	0	19	0	0
2	FOLLOWING	questions	733.0929	81	81	0	0	0	0	0	81	0	0	0	0	0	0
3	AND	questions	516.6282	84	50	34	40	1	9	0	0	0	0	0	20	14	0
4	THEN	questions	390.9184	40	40	0	0	40	0	0	0	0	0	0	0	0	0
5	THE	questions	296.5101	83	83	0	0	0	0	81	2	0	0	0	0	0	0
6	PICTURE	questions	235.4032	37	0	37	0	0	0	0	0	0	0	19	0	14	4
7	SHORT	questions	205.3191	19	19	0	0	0	0	19	0	0	0	0	0	0	0
8	OF	questions	168.8953	50	31	19	1	0	30	0	0	0	0	0	0	0	19
9	ALL	questions	150.1182	20	20	0	0	0	0	0	20	0	0	0	0	0	0
10	STAMP	questions	141.9342	14	14	0	13	0	1	0	0	0	0	0	0	0	0
11	DOCUMENT	questions	130.1135	19	0	19	0	0	0	0	0	0	0	19	0	0	0
12	MARKS	questions	115.9397	19	0	19	0	0	0	0	0	0	0	19	0	0	0
13	NUMBER	questions	113.829	14	14	0	1	0	13	0	0	0	0	0	0	0	0
14	EXAMINATION	questions	82.65047	13	13	0	0	13	0	0	0	0	0	0	0	0	0
15	THIS	questions	56.39435	13	0	13	0	0	0	0	0	0	0	0	0	13	0
16	IS	questions	44.43631	11	0	11	0	0	0	0	0	0	0	0	0	0	11
17	IN	questions	42.07508	20	0	20	0	0	0	0	0	0	0	0	0	0	20
18	LEVEL	questions	36.04551	6	6	0	0	0	6	0	0	0	0	0	0	0	0
19	TWO	questions	29.2603	10	10	0	0	10	0	0	0	0	0	0	0	0	0
20	HISTORY	questions	21.32051	5	5	0	5	0	0	0	0	0	0	0	0	0	0

13. The top 20 collocates of *account* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	account		145	27	118	2	3	0	21	1	0	64	0	33	17	4
2	AN	account	943.4276	98	91	7	2	9	4	5	71	0	0	5	0	1	1
3	THE	account	487.265	104	38	66	2	22	1	0	13	0	0	24	0	34	8
4	WRITE	account	481.1839	55	55	0	0	0	0	55	0	0	0	0	0	0	0
5	TOP	account	240.8979	21	21	0	0	0	21	0	0	0	0	0	0	0	0
6	FOLLOWING	account	219.1935	33	0	33	0	0	0	0	0	0	0	0	1	0	32
7	FROM	account	178.0173	32	25	7	0	3	2	19	1	0	2	0	0	5	0
8	AT	account	163.3553	24	21	3	21	0	0	0	0	0	0	0	0	3	0
9	EXTRACT	account	128.5464	17	17	0	3	3	11	0	0	0	0	0	0	0	0
10	YOUR	account	123.1029	21	17	4	0	0	0	0	17	0	0	1	3	0	0
11	IS	account	101.9064	19	17	2	9	2	4	2	0	0	1	1	0	0	0
12	A	account	98.30978	29	3	26	1	1	0	1	0	0	0	19	0	0	7
13	TWO	account	89.9258	20	0	20	0	0	0	0	0	0	0	19	0	1	0
14	ONE	account	80.38005	20	1	19	1	0	0	0	0	0	0	17	1	0	1
15	BY	account	78.4989	16	1	15	0	1	0	0	0	0	12	1	1	1	0
16	EYE	account	59.86238	5	5	0	0	0	0	5	0	0	0	0	0	0	0
17	NAMED	account	54.37699	9	1	8	1	0	0	0	0	0	0	0	8	0	0
18	WITNESS	account	51.49645	5	5	0	0	0	0	0	5	0	0	0	0	0	0
19	EVIDENCE	account	40.71723	7	4	3	1	0	3	0	0	0	0	0	0	0	3
20	PERSON	account	35.13589	7	0	7	0	0	0	0	0	0	0	0	6	0	1

14. The top 20 collocates of *war* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WORLD	war	542.8394	48	46	2	0	0	0	0	46	0	0	0	2	0	0
2	THE	war	421.6831	95	75	20	13	13	5	27	17	0	1	1	4	8	6
3	OF	war	164.5952	47	27	20	2	4	8	12	1	0	17	1	0	0	2
4	DURING	war	158.5769	27	24	3	0	1	4	19	0	0	0	0	1	0	2
5	INDEPENDENCE	war	143.7875	16	0	16	0	0	0	0	0	0	0	16	0	0	0
6	CIVIL	war	101.8067	10	8	2	0	0	0	0	8	0	0	0	0	1	1
7	IN	war	99.69927	31	18	13	3	5	4	5	1	0	4	0	5	1	3
8	AFTER	war	88.76107	12	9	3	0	0	0	9	0	0	0	3	0	0	0
9	ECONOMIC	war	60.21181	5	5	0	0	0	0	0	5	0	0	0	0	0	0
10	KOREAN	war	60.21181	5	5	0	0	0	0	0	5	0	0	0	0	0	0
11	AMERICAN	war	55.70092	6	5	1	0	0	0	0	5	0	0	0	0	0	1
12	CRISIS	war	55.70092	6	3	3	0	3	0	0	0	0	0	0	3	0	0
13	TWO	war	47.6565	13	3	10	3	0	0	0	0	0	6	0	2	2	0
14	WHY	war	46.37176	11	6	5	2	0	3	1	0	0	0	1	1	1	2
15	FROM	war	42.12162	12	11	1	5	0	2	4	0	0	0	0	1	0	0
16	WAS	war	33.66581	11	3	8	0	1	2	0	0	0	4	0	3	1	0
17	ONE	war	26.97533	10	3	7	1	2	0	0	0	0	3	0	1	1	2
18	WERE	war	13.80222	5	1	4	0	0	1	0	0	0	0	1	1	2	0
19	AND	war	12.94321	9	2	7	0	1	0	0	1	0	2	0	3	0	2
20	A	war	8.6888	8	5	3	1	1	1	2	0	0	0	2	0	0	1

15. The top 20 collocates of *paper* in the history examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	paper	838.6719	92	7	85	7	0	0	0	0	0	7	0	78	0	0
2	THIS	paper	772.7057	81	81	0	6	0	0	0	75	0	0	0	0	0	0
3	AND	paper	594.6429	87	40	47	39	0	1	0	0	0	40	0	0	7	0
4	ACCOMPANY	paper	500.238	40	40	0	0	0	0	40	0	0	0	0	0	0	0
5	BOOK	paper	438.2046	45	7	38	0	7	0	0	0	0	0	0	0	38	0
6	THEN	paper	420.1382	41	1	40	0	0	0	1	0	0	0	40	0	0	0
7	YOUR	paper	347.2118	44	6	38	0	0	0	6	0	0	0	38	0	0	0
8	WHICH	paper	316.7464	40	40	0	0	0	40	0	0	0	0	0	0	0	0
9	FOLLOWING	paper	292.9626	40	0	40	0	0	0	0	0	0	0	0	0	0	40
10	THE	paper	274.2393	74	34	40	7	0	1	20	6	0	0	0	0	40	0
11	SPACES	paper	245.6286	20	20	0	7	13	0	0	0	0	0	0	0	0	0
12	ENCLOSE	paper	245.6286	20	20	0	0	0	0	20	0	0	0	0	0	0	0
13	EXAMINATION	paper	240.3545	28	28	0	2	0	0	0	26	0	0	0	0	0	0
14	RETURN	paper	207.699	18	18	0	0	0	0	18	0	0	0	0	0	0	0
15	MUST	paper	188.6296	18	18	0	0	0	18	0	0	0	0	0	0	0	0
16	WARNING	paper	167.2478	15	15	0	15	0	0	0	0	0	0	0	0	0	0
17	PLEASE	paper	163.2128	16	16	0	0	0	16	0	0	0	0	0	0	0	0
18	ON	paper	161.0949	26	26	0	0	0	26	0	0	0	0	0	0	0	0
19	WITH	paper	114.4483	19	0	19	0	0	0	0	0	0	19	0	0	0	0
20	TURN	paper	99.9661	14	0	14	0	0	0	0	0	0	0	0	0	0	14

The top 20 collocates of the 15 most frequent content words in the CSPE examinations corpus

1. The top 20 collocates of *marks* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	marks	491.6572	148	36	112	17	15	4	0	0	0	0	1	87	9	15
2	PAGE	marks	405.0177	88	1	87	1	0	0	0	0	0	87	0	0	0	0
3	QUESTION	marks	231.8073	49	38	11	10	0	27	1	0	0	0	0	0	11	0
4	IN	marks	229.5205	80	49	31	4	43	2	0	0	0	0	4	2	3	22
5	CARRIES	marks	224.1812	27	27	0	0	0	0	27	0	0	0	0	0	0	0
6	TWO	marks	168.4603	38	4	34	0	0	0	4	0	0	1	0	24	1	8
7	SECTION	marks	157.0606	43	30	13	0	0	30	0	0	0	1	0	0	0	12
8	QUESTIONS	marks	139.3442	34	20	14	20	0	0	0	0	0	0	0	0	14	0
9	EACH	marks	137.4273	31	31	0	2	27	2	0	0	0	0	0	0	0	0
10	DESCRIBE	marks	128.5415	26	0	26	0	0	0	0	0	0	0	22	0	4	0
11	THE	marks	127.1272	91	37	54	6	13	17	1	0	0	2	16	10	23	3
12	TOTAL	marks	118.3745	20	10	10	0	0	0	10	0	0	10	0	0	0	0
13	ANSWER	marks	110.9254	33	13	20	0	0	10	3	0	0	20	0	0	0	0
14	ANY	marks	109.552	20	0	20	0	0	0	0	0	0	0	20	0	0	0
15	NAME	marks	103.5799	32	3	29	1	1	0	1	0	0	1	25	0	0	3
16	THREE	marks	102.3529	26	2	24	0	1	1	0	0	0	0	0	21	0	3
17	THIS	marks	90.14552	35	25	10	0	15	9	1	0	0	0	3	3	2	2
18	APART	marks	87.76835	12	0	12	0	0	0	0	0	0	0	12	0	0	0
19	FROM	marks	79.34248	23	1	22	0	1	0	0	0	0	0	8	12	0	2
20	ONE	marks	78.54997	25	1	24	1	0	0	0	0	0	1	0	18	2	3

2. The top 20 collocates of *page* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	page	295.7246	111	80	31	6	33	4	2	35	0	0	23	0	4	4
2	A	page	293.9386	78	71	7	0	0	32	39	0	0	0	0	1	0	6
3	PRINTED	page		55	53	2	32	21	0	0	0	0	1	0	1	0	0
4	FOR	page	130.9844	39	2	37	1	1	0	0	0	0	22	0	0	11	4
5	OVER	page	93.02143	13	0	13	0	0	0	0	0	0	0	0	0	0	13
6	SEPARATE	page		53	52	1	0	0	0	32	20	0	0	0	0	1	0
7	YOU	page	106.2981	36	3	33	1	2	0	0	0	0	33	0	0	0	0
8	HAS	page	85.50887	19	3	16	0	3	0	0	0	0	0	1	0	10	5
9	SECTION	page	83.27639	25	3	22	0	1	2	0	0	0	0	3	0	19	0
10	ANSWERING	page	65.30215	11	0	11	0	0	0	0	0	0	0	0	0	0	11
11	BEEN	page	62.70522	14	3	11	0	0	3	0	0	0	0	0	1	0	10
12	BONUS	page	53.94566	8	3	5	0	0	0	0	3	0	0	5	0	0	0
13	COMHAIRLE	page	45.70653	6	4	2	1	1	1	1	0	0	0	0	1	1	0
14	FAIRLY	page	45.53311	5	4	1	1	0	0	0	3	0	0	0	0	0	1
15	OF	page	1257.205	219	61	158	2	2	7	40	10	0	0	147	2	5	4
16	ON	page	646.1939	94	92	2	34	32	22	1	3	0	0	1	0	1	0
17	MARKS	page	405.0177	88	87	1	0	0	0	0	87	0	0	0	0	0	1
18	TOP	page	279.562	32	32	0	0	0	32	0	0	0	0	0	0	0	0
19	WILL	page	257.3799	35	2	33	1	1	0	0	0	0	0	33	0	0	0
20	TOTAL	page	187.8878	25	25	0	5	10	10	0	0	0	0	0	0	0	0

3. The top 20 collocates of *section* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTION	section	712.6243	87	30	57	0	1	0	29	0	0	0	57	0	0	0
2	ANSWER	section	605.4874	82	30	52	20	10	0	0	0	0	0	32	0	20	0
3	FOR	section	384.1075	70	70	0	10	1	0	0	59	0	0	0	0	0	0
4	OF	section	269.6217	77	40	37	16	5	0	19	0	0	2	0	0	20	15
5	QUESTIONS	section	218.0733	37	37	0	0	0	17	20	0	0	0	0	0	0	0
6	IN	section	206.6051	56	56	0	3	0	0	17	36	0	0	0	0	0	0
7	ALL	section	205.4763	27	15	12	5	0	10	0	0	0	0	0	12	0	0
8	MARKS	section	157.0606	43	13	30	12	0	0	0	1	0	0	0	30	0	0
9	THE	section	138.9702	64	42	22	0	31	9	2	0	0	0	2	0	0	20
10	THREE	section	112.1431	22	10	12	0	0	10	0	0	0	0	0	0	12	0
11	EXAMINER	section	98.17747	10	10	0	0	0	10	0	0	0	0	0	0	0	0
12	PAGE	section	83.27639	25	22	3	0	19	0	3	0	0	0	0	2	1	0
13	ONE	section	70.98527	18	10	8	0	0	10	0	0	0	0	0	8	0	0
14	READ	section	65.57805	11	11	0	7	3	1	0	0	0	0	0	0	0	0
15	MARK	section	65.57805	11	11	0	1	0	0	0	10	0	0	0	0	0	0
16	LEAFLET	section	60.946	9	7	2	0	0	0	7	0	0	0	0	1	1	0
17	POSTER	section	58.47582	13	13	0	1	0	0	12	0	0	0	0	0	0	0
18	TOTAL	section	56.65956	10	0	10	0	0	0	0	0	0	0	0	0	10	0
19	ANSWERING	section	55.01693	9	0	9	0	0	0	0	0	0	0	0	0	0	9
20	TICK	section	52.67839	9	9	0	0	9	0	0	0	0	0	0	0	0	0

4. The top 20 collocates of *people* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	HOMELESS	people		5	3	2	0	0	0	0	3	0	1	0	1	0	0
2	OF	people	387.6722	94	65	29	10	9	5	13	28	0	7	0	6	7	9
3	YOUNG	people	366.3092	39	38	1	1	0	0	1	36	0	1	0	0	0	0
4	TO	people	355.687	78	31	47	5	3	8	15	0	0	22	6	6	11	2
5	THE	people	286.5724	92	45	47	8	19	6	4	8	0	0	18	10	8	11
6	GROUP	people	162.3506	21	17	4	0	1	1	15	0	0	0	4	0	0	0
7	WITH	people	161.2265	26	10	16	4	2	1	2	1	0	12	0	2	1	1
8	IN	people	131.7513	42	5	37	3	0	0	2	0	0	20	3	3	6	5
9	WHO	people	114.7833	17	0	17	0	0	0	0	0	0	15	0	1	1	0
10	ENCOURAGE	people	110.2269	14	14	0	0	0	0	3	11	0	0	0	0	0	0
11	DISABILITIES	people	108.998	11	2	9	0	0	1	1	0	0	1	8	0	0	0
12	THAT	people	102.3156	27	15	12	1	2	4	2	6	0	4	8	0	0	0
13	AND	people	94.62394	28	18	10	2	6	1	8	1	0	1	0	2	2	5
14	ABOUT	people	92.12103	17	5	12	1	2	0	1	1	0	2	0	3	3	4
15	HAVE	people	85.27094	19	0	19	0	0	0	0	0	0	6	4	3	3	3
16	OLDER	people	79.13819	8	8	0	0	0	0	0	8	0	0	0	0	0	0
17	IS	people	65.54158	20	11	9	1	7	3	0	0	0	2	0	1	3	3
18	ARE	people	64.03703	16	3	13	0	1	2	0	0	0	7	1	2	3	0
19	SOME	people	62.93213	9	9	0	0	0	1	1	7	0	0	0	0	0	0
20	COMMUNITY	people	62.83384	12	4	8	1	2	0	0	1	0	0	0	8	0	0

5. The top 20 collocates of *name* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	name	410.6135	109	56	53	6	8	5	8	29	0	12	28	2	4	7
2	OF	name	369.205	89	13	76	1	3	9	0	0	0	51	3	9	10	3
3	TWO	name	238.4833	38	0	38	0	0	0	0	0	0	19	3	13	3	0
4	THAT	name	192.5698	40	1	39	1	0	0	0	0	0	0	0	13	13	13
5	EACH	name	142.8274	25	11	14	1	5	1	1	3	0	0	8	3	0	3
6	AND	name	139.9349	35	6	29	2	0	3	1	0	0	27	0	0	1	1
7	OTHER	name	117.0392	16	1	15	0	1	0	0	0	0	0	7	1	6	1
8	YOU	name	115.3006	32	14	18	2	10	1	0	1	0	0	0	3	6	9
9	MARKS	name	103.5799	32	29	3	3	0	0	25	1	0	0	1	0	1	1
10	THREE	name	102.024	20	0	20	0	0	0	0	0	0	14	4	2	0	0
11	ONE	name	94.37103	21	5	16	0	1	0	0	4	0	9	1	6	0	0
12	ACTIONS	name	75.08791	12	0	12	0	0	0	0	0	0	0	2	1	4	5
13	POLITICAL	name	72.81027	12	3	9	0	0	0	3	0	0	4	1	4	0	0
14	MAY	name	71.30855	11	11	0	0	2	9	0	0	0	0	0	0	0	0
15	EXPLAIN	name	69.45496	12	0	12	0	0	0	0	0	0	0	11	1	0	0
16	A	name	65.19726	27	23	4	2	1	3	1	16	0	1	1	2	0	0
17	ORGANISATION	name	65.11282	11	3	8	0	0	2	0	1	0	0	3	3	2	0
18	PARTY	name	63.27216	10	5	5	1	0	0	0	4	0	0	2	0	3	0
19	ONLY	name	62.00212	11	2	9	1	0	0	1	0	0	4	1	3	1	0
20	WRITE	name	58.92989	13	13	0	0	0	3	10	0	0	0	0	0	0	0

6. The top 20 collocates of *answer* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	1028.972	105	0	105	0	0	0	0	0	0	0	50	16	24	15
2	THE	answer	727.6249	147	40	107	8	17	1	13	1	0	41	12	24	15	15
3	SECTION	answer	605.4874	82	52	30	0	20	0	32	0	0	0	0	0	10	20
4	THIS	answer	333.9325	59	42	17	2	1	5	16	18	0	12	0	0	0	5
5	IN	answer	333.3583	72	25	47	20	0	0	5	0	0	0	0	10	25	12
6	ANY	answer	325.0251	35	0	35	0	0	0	0	0	0	35	0	0	0	0
7	STUDIED	answer	318.7165	32	32	0	1	6	25	0	0	0	0	0	0	0	0
8	OF	answer	288.8721	76	36	40	0	18	0	18	0	0	0	24	15	0	1
9	YOU	answer	263.3584	54	44	10	38	5	1	0	0	0	8	1	1	0	0
10	BELOW	answer	258.7893	36	3	33	0	0	2	1	0	0	0	0	31	2	0
11	ALL	answer	213.4118	27	0	27	0	0	0	0	0	0	27	0	0	0	0
12	HAVE	answer	180.4902	31	31	0	6	25	0	0	0	0	0	0	0	0	0
13	BOOK	answer	161.8531	18	0	18	0	0	0	0	0	0	18	0	0	0	0
14	ONE	answer	145.8039	28	6	22	0	2	0	0	4	0	12	10	0	0	0
15	PAPER	answer	144.3022	18	18	0	5	1	0	12	0	0	0	0	0	0	0
16	THREE	answer	142.0986	25	0	25	0	0	0	0	0	0	0	25	0	0	0
17	BACK	answer	135.7561	15	15	0	0	0	15	0	0	0	0	0	0	0	0
18	EXTRA	answer	114.2897	12	12	0	0	0	12	0	0	0	0	0	0	0	0
19	A	answer	110.0267	36	0	36	0	0	0	0	0	0	0	0	0	31	5
20	MARKS	answer	105.4665	32	20	12	0	0	0	0	20	0	0	2	10	0	0

7. The top 20 collocates of *question* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SECTION	question	712.6243	87	57	30	0	0	0	57	0	0	0	29	0	1	0
2	FOR	question	542.9615	80	78	2	3	3	72	0	0	0	0	0	0	1	1
3	CARRIES	question	287.8735	27	0	27	0	0	0	0	0	0	27	0	0	0	0
4	MARKS	question	231.8073	49	11	38	0	11	0	0	0	0	0	1	27	0	10
5	EACH	question	209.8095	31	31	0	0	0	0	0	31	0	0	0	0	0	0
6	PLEASE	question	186.3006	21	9	12	0	0	9	0	0	0	12	0	0	0	0
7	SUPERINTENDENT	question	126.5055	12	0	12	0	0	0	0	0	0	0	0	0	0	12
8	POSTER	question	123.8262	20	20	0	0	12	0	2	6	0	0	0	0	0	0
9	EXTRA	question	119.4644	12	12	0	12	0	0	0	0	0	0	0	0	0	0
10	EXAMINER	question	105.2685	10	10	0	0	0	0	0	10	0	0	0	0	0	0
11	ANSWER	question	103.7482	22	22	0	0	0	10	12	0	0	0	0	0	0	0
12	THE	question	96.41006	45	29	16	0	1	3	15	10	0	0	0	12	3	1
13	ASK	question	90.75365	12	0	12	0	0	0	0	0	0	0	12	0	0	0
14	PAPER	question	87.33671	12	12	0	0	12	0	0	0	0	0	0	0	0	0
15	EXAMINATION	question	70.71825	12	0	12	0	0	0	0	0	0	0	0	0	12	0
16	MARK	question	64.31433	10	0	10	0	0	0	0	0	0	10	0	0	0	0
17	ANY	question	60.02462	10	10	0	0	0	0	10	0	0	0	0	0	0	0
18	TICK	question	58.95121	9	9	0	0	0	0	9	0	0	0	0	0	0	0
19	BROCHURE	question	57.29525	8	8	0	0	8	0	0	0	0	0	0	0	0	0
20	LEAFLET	question	47.76477	7	7	0	0	7	0	0	0	0	0	0	0	0	0

8. The top 20 collocates of *questions* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions	1028.972	105	105	0	15	24	16	50	0	0	0	0	0	0	0
2	NUMBERED	questions	285.668	27	0	27	0	0	0	0	0	0	27	0	0	0	0
3	BELOW	questions	284.552	36	3	33	2	1	0	0	0	0	31	2	0	0	0
4	THIS	questions	256.6964	45	21	24	5	16	0	0	0	0	0	23	0	0	1
5	STUDIED	questions	235.5291	25	25	0	25	0	0	0	0	0	0	0	0	0	0
6	ALL	questions	232.0618	27	27	0	0	0	12	5	10	0	0	0	0	0	0
7	ANY	questions	229.4097	26	26	0	0	15	0	10	1	0	0	0	0	0	0
8	SECTION	questions	218.0733	37	0	37	0	0	0	0	0	0	0	20	17	0	0
9	THREE	questions	214.3011	31	29	2	0	0	15	0	14	0	0	0	0	1	1
10	IN	questions	156.6455	40	0	40	0	0	0	0	0	0	37	0	0	0	3
11	A	questions	140.1727	37	0	37	0	0	0	0	0	0	0	32	3	0	2
12	MARKS	questions	139.3442	34	14	20	0	14	0	0	0	0	0	0	0	0	20
13	OF	questions	119.7502	40	39	1	0	0	0	39	0	0	0	0	0	0	1
14	WHAT	questions	79.15384	16	0	16	0	0	0	0	0	0	0	0	13	3	0
15	POSTER	questions	78.08348	14	14	0	0	0	7	2	5	0	0	0	0	0	0
16	YOU	questions	55.68671	18	6	12	0	6	0	0	0	0	0	6	0	6	0
17	ARE	questions	50.54574	12	6	6	0	0	6	0	0	0	0	0	0	0	6
18	ONE	questions	47.89265	12	12	0	0	0	12	0	0	0	0	0	0	0	0
19	INCLUDED	questions	46.23768	7	0	7	0	0	0	0	0	0	0	0	7	0	0
20	ASK	questions	44.94097	7	1	6	0	0	0	1	0	0	0	0	0	6	0

9. The top 20 collocates of *action* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SECOND	action	315.8667	34	24	10	0	0	0	0	24	0	10	0	0	0	0
2	FIRST	action	218.8752	27	27	0	0	1	2	0	24	0	0	0	0	0	0
3	PROJECT	action	99.42759	12	0	12	0	0	0	0	0	0	12	0	0	0	0
4	EXPLANATION	action	94.39555	10	0	10	0	0	0	0	0	0	10	0	0	0	0
5	MARKS	action	76.46301	21	4	17	0	4	0	0	0	0	0	10	5	2	0
6	NAME	action	62.76701	14	11	3	1	3	2	5	0	0	0	0	0	1	2
7	ONE	action	54.82803	12	12	0	0	1	2	0	9	0	0	0	0	0	0
8	TAKE	action	45.90391	8	2	6	0	0	0	1	1	0	0	0	0	1	5
9	YOUR	action	43.81747	13	6	7	2	1	1	1	1	0	3	2	1	0	1
10	COULD	action	40.32818	8	0	8	0	0	0	0	0	0	0	0	2	5	1
11	DESCRIBE	action	34.93793	7	6	1	0	0	1	5	0	0	0	1	0	0	0
12	THIS	action	34.64703	11	10	1	1	1	0	0	8	0	0	0	1	0	0
13	TO	action	31.54008	14	7	7	1	2	4	0	0	0	0	1	0	2	4
14	EU	action	31.13531	5	4	1	0	0	4	0	0	0	0	0	1	0	0
15	OUT	action	29.95051	5	5	0	0	1	0	4	0	0	0	0	0	0	0
16	THAT	action	26.29639	9	1	8	0	0	0	1	0	0	3	5	0	0	0
17	OF	action	24.0512	15	11	4	1	0	0	7	3	0	0	0	1	0	3
18	WOULD	action	24.03013	6	1	5	0	1	0	0	0	0	0	1	3	0	1
19	YOU	action	20.65518	9	3	6	1	2	0	0	0	0	1	2	2	1	0
20	CSPE	action	20.0607	5	0	5	0	0	0	0	0	0	0	2	2	1	0

10. The top 20 collocates of *write* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	write	227.6181	44	14	30	1	1	0	0	12	0	26	1	0	1	2
2	THE	write	212.3027	55	8	47	2	2	4	0	0	0	8	3	3	19	14
3	YOUR	write	205.4013	35	4	31	3	0	1	0	0	0	20	1	0	4	6
4	SPACES	write	139.0085	13	1	12	0	0	1	0	0	0	0	0	0	2	10
5	ANSWERS	write	115.5932	10	0	10	0	0	0	0	0	0	0	10	0	0	0
6	IN	write	110.9253	28	3	25	2	1	0	0	0	0	0	3	10	12	0
7	SHORT	write	109.9195	11	0	11	0	0	0	0	0	0	0	11	0	0	0
8	SURE	write	94.45798	10	10	0	0	0	0	10	0	0	0	0	0	0	0
9	EACH	write	90.93842	15	5	10	0	0	0	5	0	0	0	0	0	1	9
10	TO	write	85.60503	24	13	11	1	2	0	0	10	0	2	0	9	0	0
11	MAKE	write	81.72117	11	10	1	0	0	10	0	0	0	0	0	0	0	1
12	YOU	write	76.056	19	7	12	0	0	0	7	0	0	0	0	1	9	2
13	DOWN	write	74.9778	8	0	8	0	0	0	0	0	0	8	0	0	0	0
14	FOR	write	74.22128	18	2	16	1	1	0	0	0	0	0	1	5	9	1
15	NUMBER	write	70.78064	10	0	10	0	0	0	0	0	0	0	0	10	0	0
16	SPEECH	write	66.25307	7	0	7	0	0	0	0	0	0	0	2	4	1	0
17	EXAMINATION	write	64.92384	10	0	10	0	0	0	0	0	0	0	10	0	0	0
18	MARKS	write	63.38686	18	18	0	0	0	0	18	0	0	0	0	0	0	0
19	BESIDE	write	63.318	6	3	3	0	0	3	0	0	0	0	0	0	3	0
20	WOULD	write	60.40421	11	0	11	0	0	0	0	0	0	0	0	0	1	10

11. The top 20 collocates of *class* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOUR	class	734.4238	80	79	1	2	0	0	61	16	0	0	0	0	0	1
2	CSPE	class	711.4879	62	62	0	0	1	0	0	61	0	0	0	0	0	0
3	TO	class	324.6487	55	6	49	1	0	3	2	0	0	2	7	39	0	1
4	DECIDED	class	211.5828	21	0	21	0	0	0	0	0	0	0	20	0	0	1
5	HAS	class	174.1859	23	0	23	0	0	0	0	0	0	22	0	0	1	0
6	COULD	class	170.5156	22	0	22	0	0	0	0	0	0	22	0	0	0	0
7	THAT	class	168.5759	29	26	3	2	1	17	6	0	0	0	1	2	0	0
8	TAKE	class	123.1925	16	0	16	0	0	0	0	0	0	0	15	0	1	0
9	ACTIONS	class	105.1698	13	13	0	0	6	7	0	0	0	0	0	0	0	0
10	TWO	class	102.2135	17	16	1	10	6	0	0	0	0	0	0	0	0	1
11	A	class	84.44173	23	6	17	0	2	2	2	0	0	0	1	1	1	14
12	WOULD	class	77.60947	13	1	12	0	1	0	0	0	0	10	0	0	2	0
13	UNDERTAKE	class	68.40813	8	0	8	0	0	0	0	0	0	0	6	0	2	0
14	CELEBRATE	class	54.52475	6	0	6	0	0	0	0	0	0	0	0	1	5	0
15	ORGANISE	class	53.91886	7	1	6	0	0	0	1	0	0	0	0	1	5	0
16	DESCRIBE	class	52.57893	9	9	0	8	1	0	0	0	0	0	0	0	0	0
17	IN	class	45.48897	16	8	8	2	1	5	0	0	0	0	0	2	4	2
18	SET	class	41.67948	6	0	6	0	0	0	0	0	0	0	5	0	1	0
19	UP	class	38.92456	7	2	5	2	0	0	0	0	0	0	0	4	0	1
20	ORDER	class	35.02151	5	1	4	0	1	0	0	0	0	0	0	0	0	4

12. The top 20 collocates of *poster* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	poster	346.8789	56	37	19	14	7	2	0	14	0	0	0	10	2	7
2	THE	poster	282.9251	62	44	18	1	5	3	6	29	0	0	10	1	0	7
3	FOR	poster	216.4201	36	22	14	1	2	5	14	0	0	13	0	0	0	1
4	BLANK	poster	163.5217	16	15	1	1	14	0	0	0	0	0	0	1	0	0
5	INCLUDED	poster	158.7606	16	0	16	0	0	0	0	0	0	0	0	8	6	2
6	PAGE	poster	148.5084	27	19	8	3	2	14	0	0	0	0	0	0	1	7
7	DESIGN	poster	129.5434	13	9	4	0	0	0	9	0	0	0	1	0	3	0
8	QUESTION	poster	123.8262	20	0	20	0	0	0	0	0	0	6	2	0	12	0
9	BEEN	poster	118.689	16	0	16	0	0	0	0	0	0	0	8	6	2	0
10	HAS	poster	117.0573	17	1	16	1	0	0	0	0	0	8	6	2	0	0
11	AT	poster	99.9197	15	3	12	0	0	3	0	0	0	0	0	0	6	6
12	YOU	poster	79.59496	19	11	8	3	8	0	0	0	0	2	6	0	0	0
13	QUESTIONS	poster	78.08348	14	0	14	0	0	0	0	0	0	5	2	7	0	0
14	ON	poster	75.10878	15	3	12	0	0	0	3	0	0	1	7	0	2	2
15	DRAW	poster	61.13859	6	6	0	6	0	0	0	0	0	0	0	0	0	0
16	SECTION	poster	58.47582	13	0	13	0	0	0	0	0	0	0	12	0	0	1
17	THIS	poster	56.35266	14	13	1	1	0	0	0	12	0	0	0	1	0	0
18	WOULD	poster	54.60402	10	1	9	0	1	0	0	0	0	0	3	6	0	0
19	STUDIED	poster	47.94485	7	7	0	0	0	0	7	0	0	0	0	0	0	0
20	THAT	poster	46.46477	12	1	11	0	0	1	0	0	0	7	1	0	2	1

13. The top 20 collocates of *CSPE* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	CLASS	CSPE	711.4879	62	0	62	0	0	0	0	0	0	61	0	0	1	0
2	YOUR	CSPE	512.972	63	63	0	0	1	0	0	62	0	0	0	0	0	0
3	TO	CSPE	280.5224	49	5	44	1	1	0	3	0	0	0	2	7	35	0
4	DECIDED	CSPE	161.3631	17	0	17	0	0	0	0	0	0	0	0	17	0	0
5	COULD	CSPE	152.8892	20	0	20	0	0	0	0	0	0	0	20	0	0	0
6	HAS	CSPE	147.0838	20	1	19	1	0	0	0	0	0	0	18	0	0	1
7	COURSE	CSPE	135.4212	13	1	12	0	0	0	1	0	0	12	0	0	0	0
8	TAKE	CSPE	115.1157	15	0	15	0	0	0	0	0	0	0	0	14	0	1
9	THAT	CSPE	108.5876	21	19	2	0	2	0	17	0	0	0	0	0	2	0
10	ACTIONS	CSPE	106.9721	13	13	0	1	0	6	6	0	0	0	0	0	0	0
11	TWO	CSPE	79.81649	14	14	0	2	8	4	0	0	0	0	0	0	0	0
12	DESCRIBE	CSPE	79.61268	12	12	0	6	6	0	0	0	0	0	0	0	0	0
13	UNDERTAKE	CSPE	69.47952	8	0	8	0	0	0	0	0	0	0	0	6	0	2
14	CELEBRATE	CSPE	55.31822	6	0	6	0	0	0	0	0	0	0	0	0	1	5
15	ORGANISE	CSPE	54.8474	7	1	6	1	0	0	0	0	0	0	0	1	1	4
16	CONCEPTS	CSPE	50.27365	5	1	4	0	0	0	0	1	0	0	3	0	0	1
17	APPROACH	CSPE	50.27365	5	5	0	0	0	5	0	0	0	0	0	0	0	0
18	RIGHTS	CSPE	45.96642	8	7	1	2	5	0	0	0	0	0	0	0	0	1
19	WOULD	CSPE	40.23957	8	1	7	0	0	1	0	0	0	0	5	0	0	2
20	PART	CSPE	33.29721	5	3	2	0	0	3	0	0	0	0	0	0	0	2

14. The top 20 collocates of *describe* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TWO	describe	295.8262	35	0	35	0	0	0	0	0	0	33	0	1	1	0
2	ACTIONS	describe	236.7991	23	0	23	0	0	0	0	0	0	0	16	6	1	0
3	YOUR	describe	165.7223	28	2	26	1	0	1	0	0	0	0	0	9	12	5
4	THAT	describe	165.637	27	0	27	0	0	0	0	0	0	0	0	16	6	5
5	MARKS	describe	128.5415	26	26	0	0	4	0	22	0	0	0	0	0	0	0
6	WAYS	describe	86.87249	9	0	9	0	0	0	0	0	0	0	8	1	0	0
7	THREE	describe	80.54205	13	0	13	0	0	0	0	0	0	9	0	0	4	0
8	CSPE	describe	79.61268	12	0	12	0	0	0	0	0	0	0	0	0	6	6
9	AND	describe	69.85542	16	14	2	1	1	0	0	12	0	0	0	1	0	1
10	ONE	describe	63.75631	12	0	12	0	0	0	0	0	0	10	1	1	0	0
11	THE	describe	57.03774	24	10	14	5	0	4	1	0	0	6	0	3	4	1
12	DETAIL	describe	54.69953	5	0	5	0	0	0	0	0	0	0	5	0	0	0
13	CLASS	describe	52.57893	9	0	9	0	0	0	0	0	0	0	0	0	1	8
14	OTHER	describe	50.86229	7	0	7	0	0	0	0	0	0	0	7	0	0	0
15	WORK	describe	50.38169	7	0	7	0	0	0	0	0	0	0	5	0	2	0
16	ACTIVITIES	describe	44.97167	5	0	5	0	0	0	0	0	0	0	1	1	3	0
17	NAME	describe	44.96867	10	10	0	0	0	0	10	0	0	0	0	0	0	0
18	COMMUNITY	describe	43.20569	7	4	3	0	2	0	2	0	0	0	0	0	1	2
19	APART	describe	41.89486	5	5	0	1	4	0	0	0	0	0	0	0	0	0
20	IN	describe	36.82475	13	3	10	1	1	1	0	0	0	5	0	4	1	0

15. The top 20 collocates of *school* in the CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOUR	school	330.4869	45	41	4	0	0	1	1	39	0	0	1	2	0	1
2	IN	school	231.1776	41	30	11	1	0	3	23	3	0	1	3	3	2	2
3	A	school	136.6688	29	24	5	10	8	1	0	5	0	1	2	0	0	2
4	STUDENTS	school	107.4656	12	9	3	0	0	9	0	0	0	1	0	1	0	1
5	TO	school	99.44673	24	6	18	5	0	0	1	0	0	5	1	8	1	3
6	COULD	school	89.46902	13	1	12	1	0	0	0	0	0	11	1	0	0	0
7	SHORT	school	88.60778	9	8	1	0	8	0	0	0	0	0	0	1	0	0
8	EXPLAINING	school	84.36864	7	0	7	0	0	0	0	0	0	0	7	0	0	0
9	FOR	school	84.21322	18	15	3	2	1	1	11	0	0	1	0	1	0	1
10	THAT	school	63.78756	14	9	5	1	4	0	4	0	0	2	0	0	1	2
11	MAGAZINE	school	60.10154	5	0	5	0	0	0	0	0	0	5	0	0	0	0
12	ARTICLE	school	54.16584	7	7	0	0	0	7	0	0	0	0	0	0	0	0
13	BECOME	school	49.5307	5	1	4	1	0	0	0	0	0	0	4	0	0	0
14	THE	school	48.17633	22	13	9	2	2	0	1	8	0	0	1	2	5	1
15	TWO	school	45.1793	9	7	2	3	2	2	0	0	0	0	0	2	0	0
16	TAKE	school	43.20569	7	1	6	0	1	0	0	0	0	0	6	0	0	0
17	ACTIONS	school	39.91738	6	6	0	0	0	4	2	0	0	0	0	0	0	0
18	ABOUT	school	39.14506	7	2	5	0	0	1	1	0	0	0	1	0	3	1
19	AND	school	39.13614	11	2	9	1	0	1	0	0	0	2	1	2	2	2
20	INVOLVED	school	36.5996	5	1	4	0	0	1	0	0	0	0	0	2	2	0

The top 20 collocates of the 15 most frequent content words in the mathematics examinations corpus

1. The top 20 collocates of *page* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	page	3315.4	537	41	496	2	1	11	27	0	0	0	454	40	1	1
2	A	page	936.4789	228	21	207	9	2	4	4	2	0	0	6	2	27	172
3	FOR	page	569.2731	106	51	55	4	0	47	0	0	0	0	2	0	0	53
4	PART	page	533.6124	63	61	2	34	27	0	0	0	0	0	0	0	2	0
5	ON	page	449.2122	82	82	0	0	1	35	38	8	0	0	0	0	0	0
6	EXTRA	page	332.7277	47	47	0	0	0	0	47	0	0	0	0	0	0	0
7	WORK	page	314.8276	54	54	0	7	0	0	0	47	0	0	0	0	0	0
8	GRADE	page	186.6141	23	23	0	0	0	0	0	23	0	0	0	0	0	0
9	TOTAL	page	93.88908	23	23	0	0	0	0	23	0	0	0	0	0	0	0
10	GIVEN	page	74.65768	17	8	9	0	0	0	8	0	0	0	0	0	0	9
11	GEOMETRY	page	73.79283	8	8	0	8	0	0	0	0	0	0	0	0	0	0
12	FORMULAE	page	49.26041	8	8	0	0	8	0	0	0	0	0	0	0	0	0
13	USE	page	42.72323	13	12	1	0	4	8	0	0	0	0	0	0	0	1
14	COIMISIUN	page	34.395	8	0	8	0	0	0	0	0	0	0	2	0	2	4
15	DIAGRAM	page	34.3196	12	12	0	4	8	0	0	0	0	0	0	0	0	0
16	NEXT	page		86	86	0	0	0	0	39	47	0	0	0	0	0	0
17	AXIS	page	18.18162	6	3	3	0	0	1	1	1	0	0	0	2	0	1
18	REASON	page	15.07503	5	5	0	0	0	0	0	5	0	0	0	0	0	0
19	ARE	page	13.88008	8	8	0	0	0	8	0	0	0	0	0	0	0	0
20	ANSWER	page	12.48889	8	8	0	0	0	3	2	3	0	0	0	0	0	0

2. The top 20 collocates of *find* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	find	2714.303	480	92	388	16	43	33	0	0	0	0	11	249	80	48
2	VALUE	find	802.9894	111	5	106	3	2	0	0	0	0	0	85	21	0	0
3	THE	find		632	67	565	39	12	16	0	0	0	344	24	41	111	45
4	AREA	find	371.729	59	3	56	2	0	1	0	0	0	0	24	4	26	2
5	TO	find	326.2934	90	69	21	11	2	7	0	49	0	1	3	13	1	3
6	VOLUME	find	255.2623	37	0	37	0	0	0	0	0	0	0	28	1	7	1
7	IN	find	208.567	70	12	58	4	5	3	0	0	0	31	0	9	7	11
8	AND	find	174.6354	63	40	23	14	11	9	5	1	0	0	11	3	0	9
9	HENCE	find	159.9188	25	22	3	1	1	6	0	14	0	0	0	2	1	0
10	CM	find	151.4927	44	42	2	3	4	7	17	11	0	0	2	0	0	0
11	OTHERWISE	find	139.8284	23	23	0	0	0	0	0	23	0	0	0	0	0	0
12	EXACT	find	131.8702	15	0	15	0	0	0	0	0	0	0	15	0	0	0
13	ORDINATES	find	131.6864	17	1	16	0	1	0	0	0	0	0	0	16	0	0
14	COST	find	128.8447	25	1	24	0	0	0	1	0	0	0	12	11	1	0
15	EQUATION	find	124.5047	25	10	15	0	0	1	9	0	0	0	15	0	0	0
16	SLOPE	find	122.1114	18	6	12	0	6	0	0	0	0	0	11	0	0	1
17	VALUES	find	120.4303	19	0	19	0	0	0	0	0	0	0	9	8	2	0
18	OR	find	112.3807	23	23	0	0	0	0	23	0	0	0	0	0	0	0
19	HEIGHT	find	111.1413	20	6	14	3	3	0	0	0	0	0	4	8	2	0
20	CORRECT	find	89.32243	21	0	21	0	0	0	0	0	0	3	13	0	1	4

3. The top 20 collocates of *cm (centimetres)* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MEASURES	cm		20	19	1	6	2	0	11	0	0	0	0	0	0	1
2	AND	cm	631.5151	122	46	76	7	2	27	10	0	0	44	5	9	15	3
3	OF	cm	441.0752	143	90	53	35	16	22	17	0	0	3	0	11	16	23
4	HEIGHT	cm	335.6269	40	25	15	3	2	8	12	0	0	0	9	3	1	2
5	THE	cm	324.0593	137	50	87	17	13	16	4	0	0	7	16	19	22	23
6	WIDE	cm		11	2	9	0	0	2	0	0	0	4	0	0	2	3
7	RADIUS	cm	272.7131	34	24	10	0	2	8	14	0	0	0	4	2	3	1
8	IS	cm	238.8864	60	40	20	3	2	4	30	1	0	5	2	4	6	3
9	HAS	cm	203.6783	33	30	3	16	2	12	0	0	0	0	0	0	3	0
10	FIND	cm	151.4927	44	2	42	0	0	0	2	0	0	11	17	7	4	3
11	TEXT	cm	142.9942	33	14	19	0	0	14	0	0	0	11	0	0	1	7
12	BY	cm	137.9975	26	13	13	3	0	0	10	0	0	10	0	0	3	0
13	DIAMETER	cm	132.3571	19	15	4	0	0	7	8	0	0	0	2	1	0	1
14	IN	cm	131.6321	45	24	21	3	6	3	0	12	0	4	4	4	5	4
15	LENGTH	cm	126.4891	24	13	11	2	0	2	9	0	0	0	5	0	3	3
16	WITH	cm	124.8733	21	18	3	3	3	12	0	0	0	0	0	1	1	1
17	BLOCK	cm	115.5051	15	12	3	2	4	3	3	0	0	0	0	0	1	2
18	BOX	cm	114.3902	29	17	12	1	2	0	14	0	0	0	11	0	0	1
19	SPHERE	cm	97.58089	13	8	5	3	2	2	1	0	0	0	0	3	0	2
20	CYLINDER	cm	97.17783	15	13	2	1	8	3	1	0	0	0	0	0	1	1

4. The top 9 collocates of *box* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	CM	box	114.3902	29	12	17	1	0	0	11	0	0	0	14	0	2	1
2	OIDEACHAIS	box	50.5716	6	0	6	0	0	0	0	0	0	0	0	0	1	5
3	ROINN	box	50.5716	6	0	6	0	0	0	0	0	0	0	0	1	5	0
4	AN	box	29.30109	8	1	7	0	0	0	1	0	0	1	1	5	0	0
5	SHOWN	box	19.22209	7	4	3	0	2	2	0	0	0	0	2	0	1	0
6	IN	box	18.11303	14	10	4	0	0	1	9	0	0	1	1	1	1	0
7	THE	box	14.89954	34	20	14	4	3	0	0	13	0	0	5	2	1	6
8	IS	box	6.514667	8	0	8	0	0	0	0	0	0	4	0	0	4	0
9	OF	box	0.310116	14	9	5	2	1	1	5	0	0	2	0	0	1	2

5. The top 20 collocates of *number* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	number	1011.201	204	159	45	13	9	30	36	71	0	1	13	5	14	12
2	OF	number	949.4503	184	11	173	1	4	4	2	0	0	148	0	4	10	11
3	WHOLE	number	289.535	26	26	0	0	0	0	0	26	0	0	0	0	0	0
4	TOTAL	number	260.0464	37	13	24	0	1	0	0	12	0	24	0	0	0	0
5	TO	number	248.285	56	43	13	2	25	16	0	0	0	3	2	2	4	2
6	NEAREST	number	217.1509	28	27	1	0	1	0	26	0	0	0	0	1	0	0
7	SCRUDUITHE	number	213.3069	24	0	24	0	0	0	0	0	0	0	0	0	0	24
8	COIMISIUN	number	213.3069	24	0	24	0	0	0	0	0	0	0	0	24	0	0
9	STUDENTS	number	127.8143	20	1	19	0	1	0	0	0	0	0	18	1	0	0
10	MARKS	number	124.0959	24	0	24	0	0	0	0	0	0	0	24	0	0	0
11	WHO	number	122.5812	14	0	14	0	0	0	0	0	0	1	0	13	0	0
12	DAYS	number	119.3081	14	0	14	0	0	0	0	0	0	0	14	0	0	0
13	PER	number	119.169	19	0	19	0	0	0	0	0	0	0	0	11	4	4
14	MEAN	number	111.7125	15	15	0	0	0	0	2	13	0	0	0	0	0	0
15	ESTIMATE	number	110.0112	15	3	12	0	0	0	3	0	0	6	0	3	0	3
16	TILES	number	86.03062	9	2	7	0	2	0	0	0	0	0	5	2	0	0
17	PEOPLE	number	82.81305	12	1	11	1	0	0	0	0	0	0	11	0	0	0
18	PUPILS	number	76.08289	10	1	9	1	0	0	0	0	0	0	8	1	0	0
19	HOURS	number	76.02945	13	6	7	2	0	2	0	2	0	0	5	0	2	0
20	IN	number	75.09648	27	6	21	2	4	0	0	0	0	2	0	12	7	0

6. The top 20 collocates of *marks* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTION	marks	549.2979	54	48	6	0	0	48	0	0	0	0	6	0	0	0
2	OBTAIN	marks	463.2467	40	40	0	0	0	0	40	0	0	0	0	0	0	0
3	CARRIES	marks	463.2467	40	40	0	0	0	0	40	0	0	0	0	0	0	0
4	FULL	marks	431.8789	40	40	0	0	0	0	0	40	0	0	0	0	0	0
5	LEVEL	marks	396.3272	40	40	0	0	32	0	8	0	0	0	0	0	0	0
6	EACH	marks	390.0807	53	41	12	0	41	0	0	0	0	10	0	0	2	0
7	MORNING	marks	376.2108	37	0	37	0	0	0	0	0	0	0	0	0	37	0
8	BE	marks	354.6682	50	40	10	40	0	0	0	0	0	0	10	0	0	0
9	PAPER	marks	316.7701	40	40	0	0	0	40	0	0	0	0	0	0	0	0
10	SHOWN	marks	288.0453	40	40	0	0	40	0	0	0	0	0	0	0	0	0
11	SCRUDUITHE	marks	221.914	24	0	24	0	0	0	0	0	0	0	0	24	0	0
12	COIMISIUN	marks	221.914	24	0	24	0	0	0	0	0	0	24	0	0	0	0
13	STAIT	marks	221.914	24	0	24	0	0	0	0	0	0	0	0	0	24	0
14	STATE	marks	209.2608	24	0	24	0	0	0	0	0	0	0	0	0	0	24
15	TO	marks	174.5068	42	40	2	0	0	40	0	0	0	0	1	0	0	1
16	ORDINARY	marks	163.0543	16	16	0	16	0	0	0	0	0	0	0	0	0	0
17	TOTAL	marks	152.3356	24	24	0	0	0	0	0	24	0	0	0	0	0	0
18	HIGHER	marks	150.4309	16	16	0	16	0	0	0	0	0	0	0	0	0	0
19	OTHER	marks	148.4617	16	8	8	0	0	8	0	0	0	0	0	8	0	0
20	QUESTIONS	marks	124.6679	17	9	8	0	0	0	9	0	0	0	0	0	8	0

7. The top 20 collocates of *calculate* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	calculate	623.1627	134	26	108	5	15	6	0	0	0	0	1	67	30	10
2	IN	calculate	158.6928	40	8	32	1	2	4	1	0	0	10	0	1	13	8
3	MEAN	calculate	138.6103	17	0	17	0	0	0	0	0	0	0	16	1	0	0
4	AREA	calculate	126.2017	21	2	19	2	0	0	0	0	0	0	12	1	2	4
5	LENGTH	calculate	123.1235	20	2	18	0	1	0	1	0	0	0	10	6	2	0
6	VALUE	calculate	103.9647	20	2	18	1	1	0	0	0	0	0	18	0	0	0
7	INTEREST	calculate	97.14507	12	4	8	1	1	0	2	0	0	0	4	2	2	0
8	AVERAGE	calculate	90.17857	12	0	12	0	0	0	0	0	0	0	11	0	1	0
9	TAX	calculate	78.00448	13	6	7	1	1	0	4	0	0	0	3	1	3	0
10	SPEED	calculate	67.96727	10	0	10	0	0	0	0	0	0	0	0	10	0	0
11	PROFIT	calculate	67.8659	9	1	8	0	1	0	0	0	0	0	5	0	2	1
12	INTERVAL	calculate	65.56801	7	6	1	0	0	1	5	0	0	0	0	1	0	0
13	TOTAL	calculate	65.3556	13	0	13	0	0	0	0	0	0	0	12	1	0	0
14	HENCE	calculate	63.3372	10	9	1	0	0	2	0	7	0	0	0	1	0	0
15	AS	calculate	61.02319	13	10	3	0	0	7	0	3	0	0	0	3	0	0
16	AMOUNT	calculate	60.45469	9	1	8	1	0	0	0	0	0	0	6	2	0	0
17	GROSS	calculate	59.44973	8	3	5	0	0	3	0	0	0	0	0	4	0	1
18	FOR	calculate	55.22433	16	8	8	2	4	2	0	0	0	0	0	2	1	5
19	THE	calculate		243	24	219	7	12	5	0	0	0	136	8	9	40	26
20	PERCENTAGE	calculate	54.4976	8	0	8	0	0	0	0	0	0	0	4	0	1	3

8. The top 20 collocates of *value* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FIND	value	802.9894	111	106	5	0	0	21	85	0	0	0	0	0	2	3
2	WHEN	value	192.715	23	2	21	0	2	0	0	0	0	0	2	7	7	5
3	EXACT	value	183.7569	16	16	0	0	0	0	0	16	0	0	0	0	0	0
4	ESTIMATE	value	181.0189	21	21	0	1	3	0	17	0	0	0	0	0	0	0
5	A	value	172.4607	54	27	27	7	3	17	0	0	0	0	3	6	2	16
6	OTHERWISE	value	158.2645	20	20	0	0	18	2	0	0	0	0	0	0	0	0
7	AND	value	135.2208	36	22	14	8	2	0	12	0	0	0	0	13	0	1
8	OR	value	134.7368	20	20	0	18	2	0	0	0	0	0	0	0	0	0
9	DIAGRAM	value	105.1586	18	3	15	0	3	0	0	0	0	0	0	0	0	15
10	CALCULATE	value	103.9647	20	18	2	0	0	0	18	0	0	0	0	0	1	1
11	DOWN	value	91.29523	16	16	0	0	0	0	16	0	0	0	0	0	0	0
12	TO	value	88.09192	27	20	7	4	2	14	0	0	0	0	0	1	1	5
13	WRITE	value	83.38037	17	16	1	0	0	16	0	0	0	0	0	0	0	1
14	IN	value	70.03034	24	2	22	2	0	0	0	0	0	2	0	19	1	0
15	OF	value		200	18	182	4	12	0	2	0	0	178	0	3	1	0
16	COS	value	69.38834	8	0	8	0	0	0	0	0	0	0	8	0	0	0
17	MINIMUM	value	57.11567	5	5	0	0	0	0	1	4	0	0	0	0	0	0
18	VALUE	value		210	12	12	12	0	0	0	0	186	0	0	0	0	12
19	TAN	value	43.28541	5	0	5	0	0	0	0	0	0	0	4	0	1	0
20	THE	value		237	188	49	5	1	1	23	158	0	0	3	0	38	8

9. The top 20 collocates of *write* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DOWN	write	1297.804	110	0	110	0	0	0	0	0	0	110	0	0	0	0
2	THE	write	601.6404	141	27	114	6	12	6	3	0	0	2	74	2	4	32
3	OF	write	403.2449	103	35	68	6	19	8	2	0	0	0	1	1	58	8
4	IN	write	335.3463	65	9	56	7	1	1	0	0	0	6	5	27	13	5
5	A	write	281.6859	72	42	30	1	7	7	10	17	0	0	11	5	4	10
6	AN	write	192.0858	27	0	27	0	0	0	0	0	0	16	10	0	1	0
7	AS	write	137.6991	23	7	16	2	0	5	0	0	0	6	7	3	0	0
8	EXPRESSION	write	117.5181	12	0	12	0	0	0	0	0	0	0	7	4	0	1
9	SIMPLEST	write	116.3888	14	1	13	0	0	1	0	0	0	0	0	6	0	7
10	YOUR	write	106.1123	21	9	12	3	3	0	3	0	0	10	2	0	0	0
11	AND	write	102.5171	30	12	18	1	4	2	0	5	0	2	1	9	5	1
12	ANSWER	write	101.237	19	7	12	0	4	0	3	0	0	0	10	2	0	0
13	ITS	write	99.69717	14	1	13	0	1	0	0	0	0	0	6	0	7	0
14	EQUATION	write	90.47861	15	0	15	0	0	0	0	0	0	0	9	6	0	0
15	USING	write	85.28358	14	14	0	7	1	6	0	0	0	0	0	0	0	0
16	TO	write	83.96608	26	9	17	3	0	3	0	3	0	0	0	3	3	11
17	VALUE	write	83.38037	17	1	16	1	0	0	0	0	0	0	0	16	0	0
18	COS	write	81.52229	9	1	8	0	0	1	0	0	0	1	0	0	0	7
19	FORM	write	79.42005	13	2	11	1	0	0	1	0	0	0	0	1	7	3
20	LENGTH	write	68.44683	13	1	12	1	0	0	0	0	0	0	0	12	0	0

10. The top 20 collocates of *answer* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YOUR	answer	1549.539	142	141	1	0	0	0	0	141	0	0	0	1	0	0
2	GIVE	answer	895.6048	77	77	0	22	0	0	55	0	0	0	0	0	0	0
3	FORM	answer	451.9843	47	2	45	0	2	0	0	0	0	0	0	27	17	1
4	REASON	answer	449.5624	41	26	15	0	0	26	0	0	0	0	14	0	0	1
5	IN	answer	330.4838	63	2	61	0	1	0	1	0	0	59	0	0	1	1
6	TO	answer	314.546	60	2	58	0	0	0	0	2	0	21	35	0	1	1
7	CORRECT	answer	306.8119	38	1	37	0	0	0	0	1	0	35	0	0	0	2
8	GIVING	answer	255.5879	23	23	0	4	0	0	19	0	0	0	0	0	0	0
9	SIMPLEST	answer	189.7934	20	2	18	2	0	0	0	0	0	0	0	18	0	0
10	A	answer	183.1724	54	29	25	0	27	2	0	0	0	1	2	0	18	4
11	THE	answer	178.0013	71	14	57	4	4	5	0	1	0	3	33	15	2	4
12	NEAREST	answer	159.8489	21	0	21	0	0	0	0	0	0	0	0	6	14	1
13	FOR	answer	156.1552	31	30	1	1	1	2	26	0	0	0	0	0	0	1
14	ITS	answer	141.8015	18	0	18	0	0	0	0	0	0	0	18	0	0	0
15	DECIMAL	answer	138.7194	18	0	18	0	0	0	0	0	0	0	0	0	18	0
16	EXPRESS	answer	107.213	15	15	0	0	0	0	15	0	0	0	0	0	0	0
17	WRITE	answer	101.237	19	12	7	0	0	2	10	0	0	0	3	0	4	0
18	PLACES	answer	97.55415	12	0	12	0	0	0	0	0	0	0	0	0	0	12
19	AND	answer	95.56754	28	25	3	0	2	18	0	5	0	0	0	3	0	0
20	TWO	answer	87.48544	16	2	14	2	0	0	0	0	0	0	0	13	0	1

11. The top 20 collocates of *graph* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	graph	855.6072	159	82	77	7	3	0	6	66	0	2	25	30	13	7
2	PAPER	graph	757.7169	74	18	56	0	0	2	16	0	0	56	0	0	0	0
3	FROM	graph	487.648	59	9	50	0	8	0	1	0	0	4	0	0	1	45
4	BE	graph	445.0171	57	10	47	0	10	0	0	0	0	0	0	40	7	0
5	OBTAINED	graph	412.7719	40	0	40	0	0	0	0	0	0	0	0	0	40	0
6	DRAW	graph	362.3971	40	34	6	0	0	5	29	0	0	0	6	0	0	0
7	OF	graph	313.2116	85	24	61	5	12	0	7	0	0	45	0	1	1	14
8	USE	graph	260.1138	33	30	3	0	0	2	28	0	0	0	3	0	0	0
9	ON	graph	255.886	40	32	8	5	0	1	14	12	0	5	0	1	0	2
10	TO	graph	252.1638	51	11	40	10	1	0	0	0	0	23	0	7	4	6
11	CAN	graph	237.8006	24	0	24	0	0	0	0	0	0	0	24	0	0	0
12	AND	graph	211.1065	46	33	13	1	4	0	4	24	0	7	2	4	0	0
13	EXTRA	graph	187.5508	24	24	0	0	0	24	0	0	0	0	0	0	0	0
14	YOUR	graph	141.701	25	24	1	0	0	0	1	23	0	1	0	0	0	0
15	MAY	graph	135.5077	16	0	16	0	0	0	0	0	0	0	16	0	0	0
16	ESTIMATE	graph	130.654	16	1	15	0	0	1	0	0	0	0	11	0	0	4
17	TREND	graph	129.0208	11	11	0	0	0	0	0	11	0	0	0	0	0	0
18	FUNCTION	graph	104.8047	13	0	13	0	0	0	0	0	0	0	1	12	0	0
19	DRAWN	graph	85.29001	9	0	9	0	0	0	0	0	0	6	0	2	0	1
20	PAGES	graph	83.68281	8	8	0	0	0	0	8	0	0	0	0	0	0	0

12. The top 20 collocates of *shown* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WORK	shown	540.4131	60	60	0	0	10	50	0	0	0	0	0	0	0	0
2	MUST	shown	505.2003	44	44	0	0	0	4	40	0	0	0	0	0	0	0
3	AS	shown	483.9623	56	56	0	0	0	0	0	56	0	0	0	0	0	0
4	OBTAIN	shown	483.0009	40	0	40	0	0	0	0	0	0	0	40	0	0	0
5	FULL	shown	451.6264	40	0	40	0	0	0	0	0	0	0	0	40	0	0
6	BE	shown	421.8612	54	54	0	0	0	0	4	50	0	0	0	0	0	0
7	SUPPORTING	shown	396.4867	40	40	0	0	40	0	0	0	0	0	0	0	0	0
8	THE	shown	316.3752	92	29	63	4	2	18	5	0	0	0	46	5	8	4
9	MARKS	shown	288.0453	40	0	40	0	0	0	0	0	0	0	0	0	40	0
10	THAT	shown	276.0134	41	41	0	40	1	0	0	0	0	0	0	0	0	0
11	TO	shown	267.2958	52	12	40	0	0	2	10	0	0	40	0	0	0	0
12	IN	shown	210.4358	45	7	38	1	5	1	0	0	0	35	2	0	1	0
13	MEASUREMENTS	shown	202.3393	17	17	0	0	0	0	17	0	0	0	0	0	0	0
14	DIAGRAM	shown	184.717	26	1	25	0	0	0	0	1	0	0	1	23	1	0
15	CLEARLY	shown	144.4614	14	14	0	0	0	0	0	14	0	0	0	0	0	0
16	ON	shown	128.4584	24	5	19	1	4	0	0	0	0	14	0	0	2	3
17	HAS	shown	125.6143	19	17	2	2	0	15	0	0	0	1	0	0	1	0
18	NECESSARY	shown	118.5355	10	10	0	10	0	0	0	0	0	0	0	0	0	0
19	IS	shown	114.1311	28	24	4	1	2	10	0	11	0	0	3	0	1	0
20	BELOW	shown	100.3422	14	0	14	0	0	0	0	0	0	10	0	0	1	3

13. The top 20 collocates of *work* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SUPPORTING	work	786.9769	64	64	0	0	0	0	0	64	0	0	0	0	0	0
2	SPACE	work		78	52	26	0	0	52	0	0	0	5	0	0	0	21
3	BE	work	786.8188	84	10	74	0	10	0	0	0	0	0	74	0	0	0
4	EXTRA	work	692.0237	62	57	5	5	0	0	0	52	0	0	0	5	0	0
5	SHOWN	work	540.4131	60	0	60	0	0	0	0	0	0	0	0	50	10	0
6	OBTAIN	work	489.3059	40	0	40	0	0	0	0	0	0	0	0	0	0	40
7	INDICATES	work	489.3059	40	40	0	0	0	40	0	0	0	0	0	0	0	0
8	SYMBOL	work	479.9071	40	40	0	0	40	0	0	0	0	0	0	0	0	0
9	MUST	work	446.0818	40	0	40	0	0	0	0	0	0	40	0	0	0	0
10	OF	work	409.1687	94	47	47	47	0	0	0	0	0	0	0	47	0	0
11	FOR	work	403.8856	58	53	5	1	0	0	52	0	0	0	5	0	0	0
12	PAGE	work	357.5918	59	0	59	0	0	0	0	0	0	47	0	0	0	12
13	TO	work	299.4214	55	4	51	0	0	1	0	3	0	10	0	1	40	0
14	SHOULD	work	283.6494	25	1	24	0	1	0	0	0	0	24	0	0	0	0
15	THAT	work	273.0627	40	40	0	0	0	0	40	0	0	0	0	0	0	0
16	WRITTEN	work	251.7719	24	0	24	0	0	0	0	0	0	0	0	24	0	0
17	THE	work	241.1606	77	41	36	40	0	1	0	0	0	0	2	0	0	34
18	ANSWERS	work	229.8592	24	24	0	0	0	24	0	0	0	0	0	0	0	0
19	INTO	work	216.3431	24	0	24	0	0	0	0	0	0	0	0	0	24	0
20	NECESSARY	work	119.9352	10	10	0	0	0	0	0	10	0	0	0	0	0	0

14. The top 20 collocates of *point* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	point		212	151	61	38	12	1	4	96	0	0	21	6	17	17
2	IS	point	610.14	86	51	35	0	0	4	47	0	0	3	2	8	7	15
3	AND	point	233.0477	47	23	24	4	14	5	0	0	0	1	2	14	1	6
4	A	point	218.0995	56	39	17	4	6	5	1	23	0	10	4	0	1	2
5	OF	point	211.4493	64	26	38	1	2	4	19	0	0	20	0	11	3	4
6	ON	point	197.5086	32	0	32	0	0	0	0	0	0	22	2	1	7	0
7	INTERSECTION	point	144.2756	12	0	12	0	0	0	0	0	0	0	12	0	0	0
8	AT	point	92.55423	18	17	1	0	0	0	17	0	0	0	0	1	0	0
9	ORDINATES	point	88.65034	10	10	0	0	1	9	0	0	0	0	0	0	0	0
10	CIRCLE	point	86.41138	13	5	8	1	1	3	0	0	0	0	0	7	1	0
11	COORDINATES	point	75.25278	8	8	0	0	3	5	0	0	0	0	0	0	0	0
12	OFF	point	74.37711	7	7	0	0	0	0	0	7	0	0	0	0	0	0
13	CENTRAL	point	73.80462	8	7	1	0	7	0	0	0	0	0	0	0	0	1
14	SYMMETRY	point	66.01428	9	7	2	0	0	7	0	0	0	0	0	0	0	2
15	LINE	point	63.68355	12	4	8	1	3	0	0	0	0	0	0	6	0	2
16	CONTAINS	point	62.88482	6	6	0	0	0	0	6	0	0	0	0	0	0	0
17	STANDARD	point	56.7387	6	6	0	0	5	1	0	0	0	0	0	0	0	0
18	AXIS	point	50.24586	8	8	0	2	0	6	0	0	0	0	0	0	0	0
19	CUT	point	49.01677	6	6	0	0	0	0	6	0	0	0	0	0	0	0
20	FIND	point	41.02184	14	7	7	4	0	3	0	0	0	0	0	3	1	3

15. The top 20 collocates of *line* in the mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LINE	line		142	3	3	0	3	0	0	0	136	0	0	0	3	0
2	OF	line	328.1498	81	67	14	5	6	1	54	1	0	0	0	0	8	6
3	SEGMENT	line	268.2629	22	0	22	0	0	0	0	0	0	22	0	0	0	0
4	EQUATION	line	238.6893	29	25	4	0	0	25	0	0	0	0	0	0	3	1
5	A	line	211.1274	54	48	6	3	3	0	3	39	0	0	1	0	1	4
6	SLOPE	line	199.3491	20	11	9	2	0	9	0	0	0	0	1	1	0	7
7	IS	line	183.32	37	25	12	3	1	8	13	0	0	3	5	0	4	0
8	ON	line	126.7017	23	20	3	0	0	8	12	0	0	0	2	0	1	0
9	AXIAL	line	124.7845	12	10	2	0	10	0	0	0	0	0	0	0	0	2
10	THROUGH	line	104.2435	10	0	10	0	0	0	0	0	0	3	4	3	0	0
11	SYMMETRY	line	76.7058	10	10	0	0	0	10	0	0	0	0	0	0	0	0
12	POINT	line	63.68355	12	8	4	2	0	6	0	0	0	0	0	0	3	1
13	LENGTH	line	60.50071	11	5	6	0	0	4	1	0	0	0	0	0	5	1
14	SOLUTION	line	49.72625	5	0	5	0	0	0	0	0	0	0	5	0	0	0
15	EQUAL	line	49.18983	7	0	7	0	0	0	0	0	0	0	3	0	1	3
16	DIVIDE	line	47.95068	5	4	1	0	0	0	4	0	0	0	0	0	1	0
17	MIDPOINT	line	47.34502	6	5	1	0	0	5	0	0	0	0	0	0	1	0
18	FIND	line	42.18118	14	11	3	9	2	0	0	0	0	0	0	1	2	0
19	IN	line	39.10653	15	10	5	0	0	0	10	0	0	0	0	4	1	0
20	THE	line		171	131	40	18	22	0	10	81	0	5	7	13	7	8

The top 20 collocates of the 15 most frequent content words in the science examinations corpus

1. The top 20 collocates of *name* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	name	1848.216	560	130	430	54	6	9	3	58	0	262	44	29	37	58
2	A	name	1456.943	398	111	287	11	25	28	13	34	0	141	47	19	42	38
3	OF	name	902.6989	303	31	272	9	9	8	5	0	0	83	5	121	40	23
4	PART	name	644.4946	107	6	101	0	2	2	2	0	0	48	29	20	3	1
5	THAT	name	582.9747	122	1	121	1	0	0	0	0	0	0	1	86	18	16
6	ONE	name	527.305	121	0	121	0	0	0	0	0	0	94	7	13	4	3
7	LABELLED	name	379.3136	88	7	81	5	0	2	0	0	0	0	0	43	20	18
8	TWO	name	280.6182	73	8	65	4	0	1	3	0	0	49	10	1	2	3
9	LETTER	name	242.5315	44	44	0	0	44	0	0	0	0	0	0	0	0	0
10	AND	name	233.4186	80	12	68	1	0	2	0	9	0	14	1	19	17	17
11	USED	name	224.0609	58	1	57	1	0	0	0	0	0	0	0	37	11	9
12	EQUIPMENT	name	223.5999	41	0	41	0	0	0	0	0	0	0	0	0	30	11
13	BESIDE	name	222.9543	40	40	0	0	0	0	40	0	0	0	0	0	0	0
14	PIECE	name	212.1122	36	0	36	0	0	0	0	0	0	0	33	3	0	0
15	TYPE	name	212.1071	38	1	37	0	0	1	0	0	0	1	25	2	7	2
16	SUBSTANCE	name	201.1593	32	1	31	0	0	0	1	0	0	0	22	7	0	2
17	DEVICE	name	196.8512	31	0	31	0	0	0	0	0	0	0	29	2	0	0
18	IN	name	170.5496	94	17	77	7	10	0	0	0	0	1	1	12	27	36
19	FOUND	name	153.2482	27	0	27	0	0	0	0	0	0	0	0	6	5	16
20	WHICH	name	142.6903	41	0	41	0	0	0	0	0	0	0	2	12	19	8

2. The top 20 collocates of *diagram* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SHOWS	diagram	2276.047	263	0	263	0	0	0	0	0	0	254	5	0	4	0
2	A	diagram	2221.675	479	252	227	20	18	8	185	21	0	25	114	22	27	39
3	LABELLED	diagram	1916.244	251	241	10	1	16	9	0	215	0	8	0	1	1	0
4	OF	diagram	1031.886	306	145	161	25	16	97	7	0	0	14	4	34	70	39
5	IN	diagram	891.7665	225	192	33	2	3	3	177	7	0	15	0	4	8	6
6	SHOWN	diagram	859.3898	124	121	3	1	1	112	7	0	0	3	0	0	0	0
7	AID	diagram	855.6711	95	95	0	0	89	6	0	0	0	0	0	0	0	0
8	AN	diagram	810.4056	151	4	147	1	2	1	0	0	0	79	52	3	3	10
9	EXPERIMENT	diagram	723.9719	115	10	105	2	7	1	0	0	0	0	79	22	1	3
10	TO	diagram	430.0669	132	5	127	3	1	1	0	0	0	15	1	86	13	12
11	BOX	diagram	347.355	55	37	18	3	0	1	33	0	0	0	6	12	0	0
12	COMPARE	diagram	320.5578	43	0	43	0	0	0	0	0	0	0	0	0	43	0
13	TEXT	diagram	271.5606	41	33	8	0	0	33	0	0	0	6	1	0	0	1
14	CIRCUIT	diagram	257.9067	45	25	20	1	1	1	0	22	0	1	1	10	7	1
15	SHOW	diagram	217.4028	40	1	39	0	1	0	0	0	0	0	11	0	27	1
16	APPARATUS	diagram	216.2266	33	14	19	1	11	2	0	0	0	1	0	14	0	4
17	ROUNDED	diagram	209.7444	47	37	10	1	36	0	0	0	0	7	0	1	1	1
18	RECTANGLE	diagram	209.2373	47	38	9	0	1	37	0	0	0	0	7	0	1	1
19	QUESTION	diagram	202.3485	52	36	16	26	10	0	0	0	0	6	0	4	1	5
20	HUMAN	diagram	188.3319	31	0	31	0	0	0	0	0	0	0	0	21	2	8

3. The top 20 collocates of *use* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FOR	use	2767.892	327	230	97	2	0	1	223	4	0	76	1	2	17	1
2	ONE	use	575.1398	105	100	5	2	3	0	12	83	0	2	0	0	2	1
3	GIVE	use	530.4085	96	95	1	0	0	12	83	0	0	0	0	1	0	0
4	OF	use	442.0113	152	97	55	5	82	3	7	0	0	33	1	3	12	6
5	QUESTION	use	339.1316	63	14	49	12	1	1	0	0	0	2	8	10	24	5
6	THE	use	302.7395	162	27	135	4	11	1	1	10	0	29	31	10	19	46
7	NUMBER	use	287.4484	44	32	12	16	0	16	0	0	0	0	0	6	0	6
8	PAGE	use	199.444	47	1	46	1	0	0	0	0	0	1	0	0	44	1
9	NAME	use	164.8041	57	49	8	4	11	8	12	14	0	0	0	1	2	5
10	A	use	157.4316	88	34	54	15	7	3	4	5	0	5	13	4	14	18
11	MARK	use	141.1554	18	0	18	0	0	0	0	0	0	0	0	8	10	0
12	EXAMINATION	use	134.6144	22	16	6	0	16	0	0	0	0	0	0	0	6	0
13	YOU	use	131.4588	31	15	16	0	0	0	7	8	0	0	1	0	15	0
14	THIS	use	122.0333	35	2	33	0	0	0	0	2	0	7	23	0	2	1
15	IN	use	101.4202	52	12	40	6	0	3	1	2	0	12	2	15	8	3
16	HEADINGS	use	84.01971	9	0	9	0	0	0	0	0	0	0	9	0	0	0
17	GRAPH	use	82.11661	14	0	14	0	0	0	0	0	0	1	12	0	1	0
18	BIOLOGY	use	81.64248	12	1	11	0	0	1	0	0	0	0	0	0	1	10
19	HAVE	use	80.79377	17	1	16	1	0	0	0	0	0	0	0	1	0	15
20	EVERYDAY	use	78.98501	11	11	0	0	0	0	0	11	0	0	0	0	0	0

4. The top 20 collocates of *give* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ONE	give	1817.359	231	6	225	0	6	0	0	0	0	211	0	2	11	1
2	FOR	give	706.6129	127	1	126	1	0	0	0	0	0	2	1	114	8	1
3	OF	give	686.1342	192	23	169	7	8	4	4	0	0	0	0	119	34	16
4	USE	give	530.4085	96	1	95	0	0	1	0	0	0	0	83	12	0	0
5	REASON	give	496.9173	59	0	59	0	0	0	0	0	0	0	59	0	0	0
6	A	give	441.8785	149	47	102	10	11	12	3	11	0	62	0	0	18	22
7	TWO	give	420.8111	77	2	75	1	0	0	1	0	0	71	2	0	2	0
8	THE	give	232.8156	140	15	125	5	2	7	1	0	0	50	2	1	55	17
9	YOUR	give	219.6189	34	1	33	0	0	1	0	0	0	0	0	1	30	2
10	FUNCTION	give	209.1568	33	2	31	0	0	0	1	1	0	0	28	2	1	0
11	AND	give	196.3843	55	39	16	1	4	2	0	32	0	0	0	7	1	8
12	ADVANTAGE	give	172.6536	20	0	20	0	0	0	0	0	0	0	20	0	0	0
13	WHY	give	163.6637	32	0	32	0	0	0	0	0	0	0	0	32	0	0
14	THIS	give	159.945	41	4	37	2	0	1	1	0	0	0	0	0	34	3
15	WAY	give	157.6843	23	0	23	0	0	0	0	0	0	0	22	1	0	0
16	EVERYDAY	give	146.5003	17	0	17	0	0	0	0	0	0	0	14	2	1	0
17	AN	give	130.2296	38	0	38	0	0	0	0	0	0	13	0	0	11	14
18	EXAMPLE	give	126.2909	19	1	18	1	0	0	0	0	0	0	15	3	0	0
19	EXAMPLES	give	111.6745	11	0	11	0	0	0	0	0	0	0	7	2	2	0
20	DISADVANTAGE	give	106.2286	13	1	12	0	0	0	1	0	0	0	3	0	1	8

5. The top 20 collocates of *water* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	OF	water	541.5988	159	136	23	15	8	18	25	70	0	1	4	3	6	9
2	THE	water	533.1958	197	132	65	29	24	29	2	48	0	0	26	16	11	12
3	IN	water	522.2769	126	68	58	4	11	3	12	38	0	29	8	8	9	4
4	A	water	315.8275	117	52	65	11	9	20	6	6	0	2	22	11	10	20
5	TO	water	265.6866	76	57	19	9	12	7	24	5	0	6	4	1	5	3
6	HARD	water	229.5791	22	19	3	0	0	2	0	17	0	0	2	0	0	1
7	AND	water	216.2543	56	27	29	1	3	2	5	16	0	17	0	3	2	7
8	IS	water	174.1866	57	22	35	5	5	3	7	2	0	20	1	5	3	6
9	HARDNESS	water	152.4577	21	9	12	0	1	3	5	0	0	9	0	2	0	1
10	OIL	water	137.9271	18	10	8	0	3	3	2	2	0	3	2	0	2	1
11	ADDED	water	119.8828	16	12	4	1	0	8	3	0	0	0	2	0	0	2
12	WAS	water	104.6573	22	12	10	3	3	3	2	1	0	2	1	2	3	2
13	TEST	water	104.2531	21	10	11	4	3	0	2	1	0	0	6	4	1	0
14	TUBE	water	103.5801	17	3	14	0	1	2	0	0	0	0	0	8	4	2
15	BOILED	water	93.2384	10	5	5	0	0	0	3	2	0	2	1	0	0	2
16	SALT	water	92.31933	13	12	1	1	2	0	9	0	0	0	0	0	1	0
17	BATH	water	83.18138	8	1	7	0	1	0	0	0	0	6	0	1	0	0
18	THAT	water	81.88885	26	22	4	5	4	6	4	3	0	4	0	0	0	0
19	LEVEL	water	78.54507	12	5	7	1	0	0	4	0	0	7	0	0	0	0
20	SOLUTION	water	78.4381	13	4	9	0	2	1	0	1	0	0	3	2	4	0

6. The top 20 collocates of *page* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BLANK	page		16	11	5	0	0	0	3	8	0	0	0	0	4	1
2	EXAMINER	page	1043.567	124	43	81	43	0	0	0	0	0	0	0	0	0	81
3	QUESTION	page	469.309	75	0	75	0	0	0	0	0	0	0	0	0	53	22
4	FOR	page	435.8151	87	2	85	0	2	0	0	0	0	0	0	0	82	3
5	SECTION	page	434.0732	72	44	28	0	3	0	41	0	0	0	0	0	28	0
6	ONLY	page	255.9976	46	46	0	1	1	44	0	0	0	0	0	0	0	0
7	OVER	page	253.132	27	24	3	0	0	0	0	24	0	0	0	0	0	3
8	TURN	page	243.9669	27	24	3	0	0	0	24	0	0	0	0	0	3	0
9	USE	page	199.444	47	46	1	1	44	0	0	1	0	0	0	0	0	1
10	PROVIDED	page	175.7898	26	18	8	0	0	18	0	0	0	4	4	0	0	0
11	EXTRA	page	158.7169	22	8	14	0	4	0	0	4	0	0	0	0	14	0
12	TOTAL	page	112.2609	18	18	0	0	8	4	6	0	0	0	0	0	0	0
13	BOX	page	92.01391	18	18	0	0	18	0	0	0	0	0	0	0	0	0
14	LABELLED	page	90.65359	26	26	0	0	9	0	17	0	0	0	0	0	0	0
15	DIAGRAM	page	87.76523	34	33	1	4	0	11	0	18	0	0	0	0	0	1
16	TOTALS	page	83.82752	8	0	8	0	0	0	0	0	0	8	0	0	0	0
17	END	page	70.96812	8	8	0	0	0	0	8	0	0	0	0	0	0	0
18	GRAND	page	61.73098	8	8	0	0	2	6	0	0	0	0	0	0	0	0
19	BIOLOGY	page	58.61697	9	0	9	0	0	0	0	0	0	0	0	0	9	0
20	BACK	page	50.53487	8	0	8	0	0	0	0	0	0	0	0	0	4	4

7. The top 20 collocates of *labelled* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DIAGRAM	labelled	1893.34	249	10	239	0	1	1	0	8	0	213	0	9	16	1
2	THE	labelled	1553.478	330	267	63	37	121	18	91	0	0	0	3	34	9	17
3	AID	labelled	926.1176	90	90	0	0	0	89	1	0	0	0	0	0	0	0
4	OF	labelled	788.9361	193	168	25	2	9	39	117	1	0	0	2	0	19	4
5	WITH	labelled	690.5704	97	97	0	96	1	0	0	0	0	0	0	0	0	0
6	EXPERIMENT	labelled	566.6305	81	1	80	0	0	1	0	0	0	0	0	73	7	0
7	AN	labelled	421.2771	78	3	75	0	1	1	1	0	0	0	73	0	1	1
8	NAME	labelled	379.3136	88	81	7	18	20	43	0	0	0	0	0	2	0	5
9	TO	labelled	342.4921	87	0	87	0	0	0	0	0	0	0	2	3	74	8
10	BOX	labelled	330.7166	45	31	14	1	3	0	0	27	0	0	0	4	10	0
11	COMPARE	labelled	327.0168	38	0	38	0	0	0	0	0	0	0	0	0	0	38
12	PART	labelled	267.58	46	46	0	5	4	0	0	37	0	0	0	0	0	0
13	TEXT	labelled	249.8888	33	29	4	2	0	0	27	0	0	0	4	0	0	0
14	SHOW	labelled	179.9471	29	0	29	0	0	0	0	0	0	0	0	2	1	26
15	IN	labelled	141.7358	56	5	51	0	0	4	1	0	0	1	29	7	13	1
16	SECTION	labelled	129.7562	31	12	19	0	9	0	3	0	0	0	11	0	8	0
17	PARTS	labelled	120.0307	19	19	0	2	3	0	0	14	0	0	0	0	0	0
18	HOW	labelled	101.7897	22	0	22	0	0	0	0	0	0	0	20	0	2	0
19	DEVICE	labelled	94.89365	15	15	0	0	0	0	0	15	0	0	0	0	0	0
20	AND	labelled	91.4239	32	1	31	0	0	1	0	0	0	0	23	4	2	2

8. The top 20 collocates of *section* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FLOWCHART	section	1151.625	104	76	28	0	0	0	76	0	0	0	28	0	0	0
2	MARKS	section	492.5199	54	0	54	0	0	0	0	0	0	0	0	5	39	10
3	PAGE	section	434.0732	72	28	44	0	28	0	0	0	0	0	41	0	3	0
4	MARK	section	259.5125	26	16	10	8	0	0	0	8	0	0	10	0	0	0
5	QUESTION	section	243.48	45	21	24	1	6	0	14	0	0	10	8	0	6	0
6	THIS	section	201.5559	43	42	1	0	0	0	0	42	0	0	0	1	0	0
7	QUESTIONS	section	201.4674	33	33	0	0	0	29	4	0	0	0	0	0	0	0
8	ANSWER	section	184.673	36	16	20	4	4	0	0	8	0	0	0	0	0	20
9	OF	section	173.7549	77	30	47	1	1	0	28	0	0	5	0	0	42	0
10	BIOLOGY	section	169.106	19	0	19	0	0	0	0	0	0	0	9	10	0	0
11	DIAGRAM	section	167.38	47	32	15	6	2	12	0	12	0	0	0	4	1	10
12	TERMINATOR	section		134	106	28	30	0	0	0	76	0	0	0	28	0	0
13	ROUNDED	section	166.2168	31	4	27	0	0	0	4	0	0	0	25	0	2	0
14	BOX	section	138.0701	23	5	18	5	0	0	0	0	0	0	0	17	0	1
15	LABELLED	section	136.0762	32	20	12	0	9	0	11	0	0	0	3	0	9	0
16	THERE	section	124.3435	19	0	19	0	0	0	0	0	0	0	0	0	0	19
17	THREE	section	121.3936	19	19	0	0	19	0	0	0	0	0	0	0	0	0
18	RECTANGLE	section	115.0694	24	4	20	0	0	0	0	4	0	0	0	18	0	2
19	TEXT	section	114.383	18	0	18	0	0	0	0	0	0	0	17	0	1	0
20	ARE	section	94.79675	25	25	0	25	0	0	0	0	0	0	0	0	0	0

9. The top 20 collocates of *question* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	A	question	1145.943	222	10	212	0	4	2	2	2	0	0	49	105	41	17
2	PAGE	question	469.309	75	75	0	22	53	0	0	0	0	0	0	0	0	0
3	OF	question	462.5185	130	124	6	0	9	30	85	0	0	0	0	4	0	2
4	EXAMINER	question	383.3313	57	43	14	24	10	8	0	1	0	0	0	1	13	0
5	USE	question	339.1316	63	49	14	5	24	10	8	2	0	0	0	1	1	12
6	ONLY	question	303.6674	49	47	2	0	5	24	10	8	0	0	0	0	1	1
7	ANSWERING	question	294.7231	30	0	30	0	0	0	0	0	0	0	0	0	26	4
8	TERMINATOR	question	292.9882	39	29	10	5	0	0	0	24	0	0	0	6	4	0
9	NUMBER	question	269.1213	38	38	0	16	0	22	0	0	0	0	0	0	0	0
10	THE	question	263.0518	121	54	67	0	22	0	0	32	0	0	0	15	43	9
11	SECTION	question	243.48	45	24	21	0	6	0	8	10	0	0	14	0	6	1
12	FLOWCHART	question	243.4394	34	24	10	0	0	0	24	0	0	0	6	4	0	0
13	BIOLOGY	question	237.3012	24	13	11	4	0	0	0	9	0	0	10	0	1	0
14	DIAGRAM	question	208.4132	53	17	36	5	1	5	0	6	0	0	0	0	10	26
15	ARE	question	203.1376	41	5	36	5	0	0	0	0	0	0	0	28	4	4
16	CLEARLY	question	174.5677	22	22	0	22	0	0	0	0	0	0	0	0	0	0
17	CHOOSE	question	170.3205	26	0	26	0	0	0	0	0	0	0	0	15	6	5
18	YOU	question	166.2196	32	0	32	0	0	0	0	0	0	0	28	4	0	0
19	MARK	question	157.27	18	0	18	0	0	0	0	0	0	18	0	0	0	0
20	OR	question	135.1061	24	12	12	0	0	0	0	12	0	0	12	0	0	0

10. The top 20 collocates of *shows* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	shows		396	289	107	5	1	7	276	0	0	81	0	10	10	6
2	DIAGRAM	shows	2276.047	263	263	0	0	4	0	5	254	0	0	0	0	0	0
3	A	shows	1351.701	244	75	169	4	2	67	0	2	0	120	2	6	24	17
4	OF	shows	335.7698	108	15	93	15	0	0	0	0	0	0	13	70	8	2
5	AN	shows	291.0143	57	0	57	0	0	0	0	0	0	50	0	1	6	0
6	HUMAN	shows	228.0613	29	0	29	0	0	0	0	0	0	0	20	0	8	1
7	RECTANGLE	shows	217.1242	37	37	0	1	36	0	0	0	0	0	0	0	0	0
8	ROUNDED	shows	209.3766	36	36	0	36	0	0	0	0	0	0	0	0	0	0
9	SYSTEM	shows	154.263	22	1	21	1	0	0	0	0	0	0	0	2	16	3
10	APPARATUS	shows	143.5854	20	0	20	0	0	0	0	0	0	0	14	0	4	2
11	PHOTOGRAPH	shows	107.928	13	13	0	0	0	0	1	12	0	0	0	0	0	0
12	SET	shows	104.3801	15	0	15	0	0	0	0	0	0	0	1	12	0	2
13	CELL	shows	100.9741	15	2	13	2	0	0	0	0	0	0	0	12	1	0
14	THREE	shows	97.74808	16	0	16	0	0	0	0	0	0	5	4	0	1	6
15	CIRCUIT	shows	91.90682	17	1	16	0	0	0	1	0	0	0	9	6	1	0
16	STRUCTURE	shows	88.71227	11	0	11	0	0	0	0	0	0	0	10	1	0	0
17	DIGESTIVE	shows	87.45759	11	0	11	0	0	0	0	0	0	0	0	8	0	3
18	REPRODUCTIVE	shows	78.35014	9	0	9	0	0	0	0	0	0	0	1	5	1	2
19	EXPERIMENT	shows	77.69612	19	1	18	1	0	0	0	0	0	0	16	1	1	0
20	UP	shows	70.51509	12	0	12	0	0	0	0	0	0	0	0	0	12	0

11. The top 20 collocates of *used* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TO	used	852.8992	147	1	146	0	0	0	1	0	0	134	0	3	6	3
2	THE	used	701.6696	198	116	82	22	25	16	53	0	0	3	28	38	6	7
3	IN	used	530.8225	115	25	90	8	12	5	0	0	0	74	3	0	8	5
4	IS	used	319.4714	75	74	1	2	2	6	7	57	0	0	0	0	1	0
5	MAKE	used	281.5077	34	0	34	0	0	0	0	0	0	0	33	0	0	1
6	MEASURE	used	247.7786	30	0	30	0	0	0	0	0	0	0	29	0	1	0
7	OF	used	242.688	89	53	36	8	13	16	16	0	0	0	1	1	19	15
8	A	used	233.1834	87	55	32	15	11	9	17	3	0	0	18	7	1	6
9	NAME	used	224.0609	58	57	1	9	11	37	0	0	0	0	0	0	0	1
10	ARE	used	190.8971	39	36	3	0	0	1	5	30	0	0	1	0	2	0
11	BE	used	190.2151	35	34	1	0	0	0	0	34	0	0	0	0	0	1
12	APPARATUS	used	164.312	22	20	2	1	5	3	0	11	0	0	2	0	0	0
13	THAT	used	151.6847	35	30	5	1	1	19	8	1	0	0	0	1	3	1
14	INSTRUMENT	used	142.4063	18	18	0	0	1	0	3	14	0	0	0	0	0	0
15	FOR	used	135.3043	37	0	37	0	0	0	0	0	0	15	0	11	8	3
16	EQUIPMENT	used	104.8166	18	18	0	0	3	4	1	10	0	0	0	0	0	0
17	THIS	used	104.3755	27	6	21	1	1	4	0	0	0	3	16	2	0	0
18	EXPERIMENT	used	104.268	23	3	20	1	0	0	0	2	0	0	0	19	1	0
19	CAN	used	99.15354	20	20	0	0	0	1	19	0	0	0	0	0	0	0
20	AN	used	95.91995	27	20	7	5	2	2	11	0	0	0	6	1	0	0

12. The top 20 collocates of *answer* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	1167.258	115	0	115	0	0	0	0	0	0	0	64	13	6	32
2	ANY	answer	653.7149	65	0	65	0	0	0	0	0	0	65	0	0	0	0
3	YOUR	answer	498.7068	56	56	0	0	0	0	0	56	0	0	0	0	0	0
4	THE	answer	466.5112	154	24	130	2	0	17	0	5	0	54	0	23	43	10
5	FOLLOWING	answer	332.0913	44	0	44	0	0	0	0	0	0	0	15	0	17	12
6	A	answer	268.8468	91	42	49	3	38	1	0	0	0	0	10	13	10	16
7	BOOK	answer	246.5488	22	0	22	0	0	0	0	0	0	22	0	0	0	0
8	TWO	answer	237.8027	45	0	45	0	0	0	0	0	0	8	37	0	0	0
9	SPACES	answer	228.3212	23	0	23	0	0	0	0	0	0	0	0	0	0	23
10	MARKS	answer	221.3966	29	24	5	0	0	0	0	24	0	0	0	5	0	0
11	REASON	answer	215.4661	29	29	0	0	0	29	0	0	0	0	0	0	0	0
12	THESE	answer	206.1114	25	0	25	0	0	0	0	0	0	0	0	0	25	0
13	OF	answer	194.3587	76	5	71	0	5	0	0	0	0	0	22	44	1	4
14	PARTS	answer	190.4253	25	0	25	0	0	0	0	0	0	0	12	13	0	0
15	SECTION	answer	177.3681	35	19	16	19	0	0	0	0	0	8	0	0	4	4
16	QUESTION	answer	131.5801	28	0	28	0	0	0	0	0	0	0	16	0	0	12
17	SECTIONS	answer	126.2891	16	0	16	0	0	0	0	0	0	0	0	8	0	8
18	IN	answer	125.815	46	17	29	0	0	0	17	0	0	0	0	23	6	0
19	ALL	answer	124.4325	18	0	18	0	0	0	0	0	0	18	0	0	0	0
20	FOLLOW	answer	115.9175	11	0	11	0	0	0	0	0	0	0	0	0	11	0

13. The top 20 collocates of *experiment* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	AN	experiment	1215.721	148	148	0	0	0	0	0	148	0	0	0	0	0	0
2	TO	experiment	1036.51	158	1	157	1	0	0	0	0	0	129	2	9	1	16
3	THE	experiment	862.4647	202	78	124	23	30	0	3	22	0	1	7	97	9	10
4	OF	experiment	844.1262	171	95	76	77	6	1	11	0	0	0	0	0	4	72
5	DIAGRAM	experiment	723.9719	115	105	10	3	1	22	79	0	0	0	0	1	7	2
6	LABELLED	experiment	566.6305	81	80	1	0	7	73	0	0	0	0	0	1	0	0
7	COMPARE	experiment	557.9601	52	0	52	0	0	0	0	0	0	0	52	0	0	0
8	SHOW	experiment	401.1224	48	0	48	0	0	0	0	0	0	1	40	0	7	0
9	THIS	experiment	287.0729	51	48	3	0	0	0	0	48	0	0	0	1	2	0
10	IN	experiment	204.102	59	36	23	0	0	1	33	2	0	5	7	7	2	2
11	DESCRIBE	experiment	171.5713	29	28	1	0	1	1	26	0	0	0	1	0	0	0
12	EFFECT	experiment	160.1864	23	7	16	0	7	0	0	0	0	0	0	0	16	0
13	FLEXIBILITY	experiment	136.4509	12	0	12	0	0	0	0	0	0	0	0	0	12	0
14	THAT	experiment	118.394	28	2	26	2	0	0	0	0	0	6	0	20	0	0
15	SET	experiment	110.618	15	3	12	0	2	1	0	0	0	8	0	1	1	2
16	INVESTIGATE	experiment	109.4561	14	0	14	0	0	0	0	0	0	0	13	0	0	1
17	USED	experiment	104.268	23	20	3	0	1	19	0	0	0	2	0	0	0	1
18	UP	experiment	101.9158	15	5	10	2	0	2	1	0	0	0	8	0	1	1
19	OUT	experiment	97.18401	14	5	9	0	0	0	5	0	0	0	0	1	4	4
20	HARDNESS	experiment	91.41965	13	0	13	0	0	0	0	0	0	0	0	0	13	0

14. The top 11 collocates of *examiner* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FOR	examiner		235	220	15	0	1	0	1	218	0	0	0	0	0	15
2	ONLY	examiner		234	15	219	0	15	0	0	0	0	0	218	0	0	1
3	PAGE	examiner	1043.567	124	81	43	81	0	0	0	0	0	0	0	0	0	43
4	QUESTION	examiner	383.3313	57	14	43	0	13	1	0	0	0	1	0	8	10	24
5	NUMBER	examiner	292.5409	38	32	6	0	16	0	16	0	0	0	0	0	6	0
6	OF	examiner	289.6992	88	86	2	0	4	82	0	0	0	0	0	1	1	0
7	CENTRE	examiner	232.66	22	16	6	16	0	0	0	0	0	0	0	6	0	0
8	MARK	examiner	167.9454	18	0	18	0	0	0	0	0	0	0	0	0	8	10
9	EXAMINATION	examiner	167.3487	22	16	6	0	0	16	0	0	0	0	0	0	0	6
10	SECTION	examiner	72.58361	18	0	18	0	0	0	0	0	0	0	0	10	0	8
11	CHEMISTRY	examiner	28.72439	5	2	3	1	0	0	1	0	0	0	0	0	0	3

15. The top 20 collocates of *part* in the science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	THE	part		231	129	102	5	28	33	8	55	0	0	74	7	6	15
2	OF	part	707.8831	148	40	108	5	0	1	22	12	0	97	4	2	5	0
3	NAME	part	644.4946	107	101	6	1	3	20	29	48	0	0	2	2	2	0
4	A	part	410.0335	107	36	71	3	8	9	7	9	0	33	34	0	0	4
5	LABELLED	part	267.58	46	0	46	0	0	0	0	0	0	37	0	0	4	5
6	BESIDE	part	135.9491	20	20	0	20	0	0	0	0	0	0	0	0	0	0
7	HUMAN	part	131.2511	18	5	13	5	0	0	0	0	0	0	0	13	0	0
8	SYSTEM	part	128.8551	18	5	13	0	0	5	0	0	0	0	0	0	6	7
9	FUNCTION	part	105.8329	17	16	1	0	1	7	8	0	0	0	0	0	0	1
10	BODY	part	94.80932	14	0	14	0	0	0	0	0	0	0	0	8	6	0
11	IS	part	91.78825	31	9	22	2	3	2	0	2	0	2	0	0	15	5
12	REPRESENTED	part	86.20432	8	0	8	0	0	0	0	0	0	0	0	0	0	8
13	FLOWER	part	76.07487	10	2	8	0	1	1	0	0	0	0	0	8	0	0
14	INDICATE	part	75.34534	10	10	0	10	0	0	0	0	0	0	0	0	0	0
15	PLANT	part	74.76559	14	1	13	0	0	1	0	0	0	0	0	13	0	0
16	WHICH	part	69.18346	16	14	2	0	0	0	0	14	0	0	1	0	0	1
17	BLOOD	part	66.44779	11	1	10	1	0	0	0	0	0	0	6	4	0	0
18	CLEARLY	part	66.33779	10	10	0	0	10	0	0	0	0	0	0	0	0	0
19	DIGESTIVE	part	62.02171	8	4	4	0	4	0	0	0	0	0	0	1	3	0
20	OR	part	57.12392	12	8	4	0	0	0	1	7	0	0	3	0	0	1

Appendix C3: The top 100 most significant collocations in the six textbooks corpora ranked by descending order of significance based on G^2 scores (frequency threshold F≥ 10, minimum range 75%).

ENGLISH TEXTBOOKS CORPUS									GEOGRAPHY TEXTBOOKS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.	N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	AT	1870	THE	23037	4	1	935	3067.94751	1	SUCH	888	AS	2056	4	1	768	7357.689941
2	DO	1107	YOU	4657	4	1	491	3016.120361	2	ORDNANCE	153	SURVEY	170	4	1	150	2441.915039
3	FROM	1559	THE	23037	4	1	759	2433.315918	3	PER	357	CENT	159	3	1	156	2167.16748
4	WHAT	2077	IS	4634	4	1	471	2149.977539	4	HAVE	1189	BEEN	405	4	1	218	1916.988525
5	DO	1107	THINK	779	4	2	231	1874.229614	5	GRID	312	REFERENCE	178	4	1	137	1774.60083
6	YOUR	1817	ANSWER	753	4	1	245	1780.304199	6	MORE	590	THAN	530	4	1	174	1572.428589
7	WHAT	2077	DO	1107	4	1	269	1699.526123	7	YOUR	502	ANSWER	238	4	1	141	1538.678833
8	GIVE	521	REASONS	176	4	1	136	1684.623413	8	CAN	579	BE	948	4	1	188	1494.641602
9	WHAT	2077	YOU	4657	4	2	382	1561.154663	9	WHAT	733	IS	4329	4	1	285	1494.445801
10	WILL	777	BE	1729	4	1	214	1489.585815	10	CASE	165	STUDY	351	3	1	119	1468.687134
11	HAVE	1485	BEEN	565	4	1	187	1439.661865	11	MAY	504	BE	948	4	1	176	1427.745605
12	ANSWER	753	QUESTIONS	449	4	2	155	1432.660278	12	INNER	134	CITY	633	3	1	120	1424.763184
13	WRITE	878	A	9764	4	1	331	1395.489258	13	HAS	1001	BEEN	405	4	1	165	1380.313232
14	OUT	1041	OF	8478	4	1	329	1342.278687	14	ACID	135	RAIN	272	3	1	100	1298.547485
15	WOULD	944	BE	1729	4	1	208	1341.739014	15	NUMBER	256	OF	10215	4	1	217	1276.325073
16	LOOK	409	AT	1870	4	1	170	1320.67981	16	THEY	1150	ARE	3290	4	1	266	1221.627197
17	HAD	1175	BEEN	565	4	1	162	1269.496216	17	BETWEEN	403	AND	8011	4	2	238	1217.35144
18	IF	853	YOU	4657	4	1	247	1248.037354	18	THESE	1091	ARE	3290	4	2	257	1189.882935
19	GOING	330	TO	8688	4	1	211	1236.458374	19	POPULATION	936	DENSITY	191	4	1	121	1173.596191
20	QUESTIONS	449	FOLLOW	162	3	2	102	1217.625122	20	SKETCH	144	MAP	989	4	1	113	1165.93103
21	ANSWER	753	THE	23037	4	1	372	1200.429321	21	ALONG	275	THE	18731	4	1	240	1152.007324
22	GIVE	521	YOUR	1817	4	3	167	1199.872192	22	LIFE	223	EXPECTANCY	77	3	1	77	1147.128174
23	WANT	236	TO	8688	4	1	182	1182.334106	23	GRID	312	REFERENCES	86	4	1	83	1146.411987

24	THROUGH	373	THE	23037	4	1	268	1154.301147	24	DO	422	FOLLOWING	580	3	2	125	1091.203003
25	MORE	541	THAN	298	4	1	113	1145.69165	25	DRAW	192	SKETCH	144	4	2	83	1075.05127
26	REASONS	176	YOUR	1817	4	2	122	1132.303711	26	POST	71	OFFICE	91	4	1	64	1059.651489
27	REASONS	176	FOR	2737	4	1	129	1114.216919	27	ECONOMIC	275	ACTIVITIES	388	4	1	104	1059.562622
28	HAS	680	BEEN	565	4	1	131	1113.131836	28	ONE	685	OF	10215	4	1	279	1020.599426
29	YOUR	1817	OWN	347	4	1	142	1103.70459	29	IDENTIFY	402	THE	18731	4	1	265	999.9468384
30	THERE	1113	WAS	3032	4	1	217	1091.389282	30	PART	195	OF	10215	4	1	168	999.3994141
31	INTO	617	THE	23037	4	1	317	1054.195068	31	RAW	89	MATERIALS	144	4	1	67	968.4359131
32	THEY	1643	WERE	983	4	1	174	1053.673218	32	THERE	461	ARE	3290	4	1	171	966.5690918
33	REASONS	176	ANSWER	753	4	3	99	1034.837158	33	MAP	989	EXTRACT	109	4	1	91	959.8377075
34	ONE	1052	OF	8478	4	1	280	1033.387085	34	POPULATION	936	GROWTH	236	3	1	108	944.781311
35	QUESTION	322	MARKS	208	4	4	89	1029.289063	35	MAPS	318	PHOTOGRAPHS	234	4	2	89	944.668335
36	WITH	2113	A	9764	4	1	385	1019.317261	36	DRAW	192	A	6296	4	1	146	935.991333
37	HAVE	1485	TO	8688	4	1	315	997.1659546	37	EXPLAIN	453	WHY	398	4	1	102	907.3870239
38	SUCH	221	AS	2034	4	1	119	983.6372681	38	EACH	606	FOLLOWING	580	3	3	116	895.3035889
39	HIS	2133	HE	3263	4	3	250	958.4146729	39	YOU	587	THINK	76	4	1	71	864.4450684
40	KIND	178	OF	8478	4	1	142	947.3658447	40	REASONS	205	WHY	398	4	1	84	862.913208
41	GIVE	521	FOR	2737	4	2	154	946.5335693	41	NORTH	447	SOUTH	515	4	2	103	861.9611816
42	SHOULD	327	BE	1729	4	1	123	941.1344604	42	SHOWN	304	ON	2297	4	1	128	855.3770752
43	HER	1702	SHE	1930	4	3	193	925.7877808	43	EACH	606	OF	10215	4	1	239	854.9490356
44	AS	2034	IF	853	4	1	160	917.343811	44	PEOPLE	1140	IN	7265	4	1	273	852.0321045
45	ANSWER	753	FOLLOW	162	3	4	87	896.2139893	45	GIVE	259	REASONS	205	4	2	76	834.2492065
46	THERE	1113	IS	4634	4	1	214	889.2521973	46	THIRD	137	WORLD	506	3	1	78	829.0684814
47	MEDIA	136	STUDIES	63	3	1	55	867.5751953	47	ORDNANCE	153	MAP	989	4	2	89	826.3535767
48	THERE	1113	ARE	2041	4	1	165	862.2901001	48	SURVEY	170	MAP	989	4	1	91	823.0482178
49	SHE	1930	WAS	3032	4	1	220	860.8999023	49	EXPLAIN	453	HOW	410	4	1	95	821.5391235
50	PERSONAL	154	WRITING	517	4	1	78	852.2229004	50	OS [ORDNANCE SURVEY]	136	MAP	989	4	1	85	807.4971313
51	CAN	754	BE	1729	4	1	140	844.6187744	51	LIVE	221	IN	7265	4	1	144	805.9811401
52	LIKE	987	A	9764	4	1	253	844.1826782	52	NATURAL	283	VEGETATION	193	3	1	74	802.5234375

53	FOLLOWING	442	QUESTIONS	449	4	1	91	825.2485352	53	WINDS	218	BLOW	88	3	1	61	797.9556274
54	THEY	1643	ARE	2041	4	1	173	782.3290405	54	PRIMARY	121	ACTIVITIES	388	4	2	70	786.5655518
55	READ	546	THE	23037	4	1	254	780.197937	55	AN	889	AREA	847	4	1	124	771.8353271
56	WHAT	2077	DOES	406	4	1	117	775.9638062	56	CITY	633	CENTRE	366	3	1	94	765.8500366
57	DOWN	552	THE	23037	4	1	251	756.9333496	57	SOME	828	OF	10215	4	1	254	763.7849731
58	SO	803	THAT	3042	4	1	150	736.3349609	58	SUCH	888	AND	8011	4	3	238	754.6818237
59	COULD	519	BE	1729	4	1	112	710.8087769	59	USED	337	TO	5510	4	1	147	738.034729
60	THERE	1113	NO	635	4	2	106	708.7211304	60	THEN	368	I	1765	3	4	114	736.4708862
61	MY	1112	MOTHER	359	4	1	90	681.7213135	61	DRAW	192	MAP	989	4	3	86	735.3829956
62	HOW	977	YOU	4657	4	2	171	673.6907959	62	STUDY	351	THE	18731	4	1	210	731.5526733
63	HAD	1175	TO	8688	4	1	227	673.1714478	63	PEOPLE	1140	LIVE	221	4	1	90	721.1306152
64	WHAT	2077	HAPPENED	126	4	1	78	672.1276855	64	SAUDI	40	ARABIA	38	3	1	37	713.0073242
65	SHE	1930	HER	1702	4	2	155	671.4703979	65	FOLD	54	MOUNTAINS	174	3	1	48	696.9995728
66	GIVE	521	ANSWER	753	4	4	89	670.579834	66	BIRTH	91	RATE	149	3	1	52	692.6032715
67	WRITE	878	ABOUT	1615	4	1	121	668.3811035	67	FLOOD	91	PLAIN	73	4	1	46	682.0740356
68	WHEN	1109	HE	3263	4	1	158	664.2022705	68	THEN	368	THE	18731	4	2	206	679.4967041
69	OVER	448	THE	23037	4	1	209	643.0470581	69	THERE	461	IS	4329	4	1	144	675.2197266
70	POINT	248	VIEW	108	4	2	52	640.7159424	70	RURAL	160	AREAS	935	4	1	76	669.8365479
71	SHE	1930	HAD	1175	4	1	134	640.2531128	71	PARTS	123	OF	10215	4	1	109	662.1123047
72	HIM	936	HE	3263	4	2	145	634.1325073	72	LIKELY	84	TO	5510	4	1	83	661.8900146
73	QUESTIONS	449	EACH	508	3	1	76	633.1682129	73	DO	422	THE	18731	4	1	215	655.9634399
74	PART	231	OF	8478	4	1	119	626.9082031	74	GENTLY	38	SLOPING	48	4	1	36	655.788269
75	WOULD	944	HAVE	1485	4	1	115	624.736145	75	TICK	47	BOX	91	4	3	41	654.3759766
76	SOUND	245	EFFECTS	88	4	1	49	624.4682617	76	HAS	1001	A	6296	4	1	210	652.5653076
77	QUESTIONS	449	THAT	3042	3	1	112	619.4451294	77	PEOPLE	1140	WHO	230	4	1	84	649.6316528
78	ANSWER	753	FOLLOWING	442	4	4	80	611.8444824	78	POPULATION	936	DENSITIES	69	3	1	60	648.6503906
79	IF	853	WERE	983	4	2	99	610.3242188	79	SHAPING	42	CRUST	109	3	2	40	638.2421265
80	YOUR	1817	OPINION	120	4	1	70	609.2680664	80	WEST	299	IRELAND	716	3	2	80	636.531189
81	BEGAN	146	TO	8688	4	1	100	606.8530273	81	AREA	847	SHOWN	304	4	1	83	635.3536987

82	THERE	1113	A	9764	4	2	218	605.2894287	82	TRAFFIC	194	CONGESTION	53	4	1	45	631.5959473
83	THEN	764	ANSWER	753	3	1	89	597.8139648	83	TYPES	177	OF	10215	4	1	123	630.4587402
84	FOLLOWING	442	QUESTION	322	3	3	66	595.9699097	84	LESS	145	THAN	530	4	1	64	626.7289429
85	USE	491	OF	8478	4	1	149	591.1372681	85	GOLF	62	COURSE	85	4	1	41	618.4300537
86	AS	2034	HE	3263	4	1	179	581.472229	86	TICK	47	CORRECT	60	3	2	37	615.0332031
87	THINK	779	ABOUT	1615	4	1	104	566.4405518	87	POPULATION	936	DISTRIBUTION	116	3	1	66	614.3641968
88	AS	2034	YOU	4657	4	1	201	564.4303589	88	NORTH	447	EAST	214	4	1	66	611.6654663
89	NEED	155	TO	8688	4	1	97	560.668396	89	TYPE	164	OF	10215	4	1	117	609.9841309
90	TRYING	79	TO	8688	4	1	75	558.5202637	90	KNOWN	91	AS	2056	4	1	70	608.6507568
91	WOULD	944	TO	8688	4	2	186	558.2365723	91	OCEAN	119	CURRENTS	103	3	1	46	604.0308228
92	LOOKED	214	AT	1870	4	1	76	556.5140381	92	OVER	469	TIME	295	3	1	70	599.4997559
93	BASED	61	ON	2633	4	1	57	555.7775879	93	LOW	324	PRESSURE	192	3	1	60	599.0021362
94	AT	1870	LEAST	60	4	1	54	552.8482666	94	MASS	94	MOVEMENT	141	3	1	46	596.0861816
95	WORDS	673	PHRASES	110	4	2	54	552.7592773	95	AERIAL	110	PHOTOGRAPHS	234	4	1	51	594.9723511
96	NOT	1173	TO	8688	4	2	202	552.1867676	96	PEOPLE	1140	TO	5510	4	1	199	593.5535278
97	QUESTION	322	IS	4634	3	1	104	549.7105713	97	HIGH	469	PRESSURE	192	3	1	63	586.2687988
98	DID	394	NOT	1173	4	1	79	549.3178101	98	DEVELOPING	148	COUNTRIES	641	3	1	63	585.5409546
99	UP	1026	AND	9764	4	1	199	548.3028564	99	MAP	989	PAGE	296	4	2	80	584.4536743
100	AT	1870	END	213	4	2	75	547.5808105	100	WOULD	278	BE	948	4	1	78	583.2785645

HISTORY TEXTBOOKS CORPUS									CSPE TEXTBOOKS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.	N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	TWENTIETH	280	CENTURY	746	4	1	275	3455.754639	1	ACTION	585	PROJECT	361	4	1	272	2936.55127
2	SUCH	411	AS	1982	4	1	337	3168.656982	2	HUMAN	270	RIGHTS	566	4	1	229	2576.932861
3	SET	355	UP	668	4	1	263	3013.937744	3	UNITED	128	NATIONS	105	4	1	98	1503.536499
4	WORLD	578	WAR	1155	4	1	293	2636.56958	4	YOUNG	226	PEOPLE	1278	4	1	168	1472.138672
5	DE	258	VALERA	165	4	1	165	2524.004639	5	FIND	240	OUT	598	4	1	139	1331.397827
6	NORTHERN	364	IRELAND	1656	4	1	268	2502.074219	6	BY	851	THE	12759	4	1	434	1297.383545
7	DURING	610	THE	27402	4	1	544	2387.070313	7	HAS	710	BEEN	328	4	1	151	1293.688721
8	HOME	316	RULE	293	4	1	176	2201.259521	8	SET	168	UP	515	4	1	108	1098.547241
9	INTERNATIONAL	211	RELATIONS	228	3	1	156	2196.244385	9	THERE	469	ARE	1684	4	1	172	1057.676025
10	FIANNA	138	FAIL	135	4	1	129	2184.878906	10	EUROPEAN	351	UNION	111	4	1	88	1031.888184
11	MORE	594	THAN	363	4	1	183	1899.123657	11	NUMBER	172	OF	5688	4	1	157	1028.645752
12	JUNIOR	136	HISTORY	296	4	2	126	1777.722778	12	ANSWER	154	QUESTIONS	246	4	2	89	1024.283447
13	MIDDLE	216	AGES	140	4	1	117	1686.349487	13	WILL	481	BE	1025	4	1	140	926.0879517
14	PRIME	109	MINISTER	177	4	1	105	1642.254761	14	DO	654	THINK	277	4	2	111	923.6247559
15	DID	830	NOT	740	4	1	202	1634.366455	15	CAN	571	BE	1025	4	1	146	923.1185303
16	RELATIONS	228	CENTURY	746	3	4	151	1602.37793	16	RIGHT	218	TO	5612	4	1	161	915.510498
17	HOW	577	DID	830	4	1	184	1551.49231	17	DO	654	YOU	1639	4	1	167	894.0915527
18	BETWEEN	419	AND	10581	4	2	291	1542.675171	18	MORE	322	THAN	149	4	1	83	890.5996704
19	POLITICAL	349	IN	9335	4	2	256	1468.484985	19	THIS	962	IS	2116	4	1	198	866.2116699
20	WHAT	985	WAS	4499	4	1	299	1437.814453	20	ASYLUM	74	SEEKERS	52	4	1	51	846.7640381
21	COULD	547	BE	874	4	1	170	1400.156006	21	RIGHTS	566	RESPONSIBILITIES	100	3	2	77	810.4598389
22	WHY	571	DID	830	4	1	169	1391.497925	22	SUCH	127	AS	894	4	1	88	808.9900513
23	WRITE	322	ACCOUNT	123	3	2	103	1370.36853	23	GUEST	55	SPEAKER	92	4	1	50	771.4036865
24	HE	1741	WAS	4499	4	1	347	1350.853394	24	INVOLVED	172	IN	4182	4	1	124	766.9804688
25	PER	115	CENT	85	4	1	80	1323.740967	25	SHOULD	266	BE	1025	4	1	103	748.3168945
26	HAD	1454	BEEN	310	4	1	156	1303.043335	26	PART	252	OF	5688	4	1	148	728.7403564
27	HAD	1454	TO	8412	4	1	391	1298.602051	27	MEMBER	180	STATES	105	3	1	60	723.7263184
28	IT	1126	WAS	4499	4	1	290	1286.209351	28	LOOK	132	AT	690	4	1	77	706.6669922

29	BELIEVED	207	THAT	2179	4	1	148	1270.16394	29	ONE	478	OF	5688	4	1	181	685.1403198
30	SOCIAL	220	CHANGE	284	4	1	103	1207.220581	30	LOCAL	544	AUTHORITIES	74	4	1	62	677.208313
31	KNOWN	169	AS	1982	4	1	132	1200.493774	31	AS	894	A	4845	4	1	217	674.9719849
32	CHANGE	284	CENTURY	746	4	3	127	1198.076416	32	EUROPEAN	351	PARLIAMENT	130	4	1	65	660.7670288
33	WANTED	226	TO	8412	4	1	185	1175.48938	33	POLITICAL	182	PARTIES	83	4	1	52	637.5241699
34	WRITE	322	ABOUT	615	3	1	124	1174.210449	34	NORTHERN	65	IRELAND	569	3	1	57	628.4294434
35	WOULD	576	BE	874	4	1	146	1128.489746	35	MAKE	344	SURE	93	4	1	58	628.4177246
36	HAVE	537	BEEN	310	4	1	116	1123.432373	36	LOCAL	544	AUTHORITY	77	4	1	59	622.8010254
37	SOVIET	221	UNION	209	4	1	92	1116.061157	37	COUNTY	140	COUNCIL	319	4	1	61	609.5841675
38	THESE	744	WERE	3904	4	2	221	1110.548584	38	HAS	710	RIGHT	218	4	2	78	609.0752563
39	LIVED	259	IN	9335	4	1	190	1088.577759	39	HAS	710	TO	5612	4	3	191	581.7834473
40	THIS	1239	WAS	4499	4	1	266	1072.92334	40	YOUR	856	SCHOOL	415	4	1	91	572.7769775
41	AN	1024	ACCOUNT	123	3	1	100	1060.69104	41	KNOWN	85	AS	894	3	1	61	566.2124634
42	SO	436	THAT	2179	4	1	158	1052.38501	42	FIANNA	31	FAIL	33	4	1	30	560.7578125
43	POLITICAL	349	DEVELOPMENTS	117	3	1	84	1045.70874	43	MEMBERS	184	OF	5688	4	1	109	538.7116699
44	THERE	499	WERE	3904	4	1	176	953.5003052	44	WANT	123	TO	5612	4	1	93	535.5708618
45	FREE	205	STATE	298	4	1	85	952.3997192	45	WHY	303	YOU	1639	4	2	93	532.8676147
46	WHAT	985	DID	830	4	2	142	936.2268677	46	WOULD	365	BE	1025	4	1	87	530.9719849
47	ANSWER	162	QUESTIONS	93	3	3	66	934.4232178	47	CARRY	61	OUT	598	4	1	50	530.3880005
48	USED	543	TO	8412	4	1	219	926.4014893	48	WE	756	ARE	1684	4	1	123	528.4109497
49	CIVIL	201	WAR	1155	4	1	104	922.5576782	49	AMNESTY	95	INTERNATIONAL	196	4	1	46	519.7573242
50	INDUSTRIAL	168	REVOLUTION	307	4	1	80	918.4714966	50	DO	654	NOT	533	4	1	82	498.0401001
51	UNITED	221	IRISHMEN	81	4	1	66	918.3510132	51	WE	756	HAVE	1038	4	1	102	496.2389221
52	INTERNATIONAL	211	IN	9335	3	2	157	906.8823853	52	IF	342	YOU	1639	4	1	90	483.6604004
53	NA	104	NGAEDHEAL	55	4	1	54	903.0255737	53	THEY	774	ARE	1684	4	1	115	471.8525085
54	CUMANN	54	NGAEDHEAL	55	4	2	49	897.4649658	54	MUST	149	BE	1025	4	1	62	459.1515808
55	RELATIONS	228	IN	9335	4	1	159	882.7290039	55	RESPONSIBLE	72	FOR	2075	4	1	57	451.6595764
56	ONE	623	OF	11577	4	1	246	876.5112915	56	FINE	36	GAEL	26	4	1	25	447.7383728
57	THOSE	223	WHO	962	4	1	98	862.9481201	57	NEED	135	TO	5612	4	1	85	437.5477905

58	BRONZE	124	AGE	322	4	1	72	857.1394653	58	YOUR	856	CLASS	329	4	1	70	434.1291504
59	JUNIOR	136	CERTIFICATE	63	4	1	55	843.1106567	59	AS	894	WELL	106	4	1	53	432.6850586
60	FOLLOWING	410	QUESTIONS	93	3	1	68	823.1383057	60	WHY	303	THINK	277	4	3	53	430.6533813
61	UNITED	221	STATES	180	4	1	69	802.8731079	61	LIST	149	OF	5688	4	1	87	425.97052
62	MOST	625	OF	11577	4	1	232	792.6555176	62	ANSWER	154	FOLLOW	64	3	4	35	423.9911499
63	BRITISH	696	GOVERNMENT	947	4	1	119	791.3067017	63	MEMBER	180	OF	5688	4	1	93	423.5597534
64	NINETEENTH	73	CENTURY	746	4	1	67	790.4206543	64	CIVIC	33	SOCIAL	107	4	1	29	422.6000366
65	LED	287	TO	8412	4	1	157	787.8577271	65	THERE	469	IS	2116	4	1	97	420.8269653
66	REASONS	129	WHY	571	3	1	73	771.972168	66	CHILD	121	LABOUR	84	4	1	35	417.5700989
67	CHANGE	284	IRELAND	1656	4	4	105	760.6831665	67	IRISH	330	TIMES	74	3	1	40	417.4906311
68	NUMBER	133	OF	11577	4	1	122	760.5314331	68	HOW	503	MANY	306	4	1	59	417.296051
69	ALLOWED	151	TO	8412	4	1	121	757.4672852	69	AN	838	ACTION	585	4	1	79	417.0802307
70	DEVELOPMENTS	117	IRELAND	1656	3	2	83	753.9785767	70	QUESTIONS	246	FOLLOW	64	3	2	37	416.3592529
71	FORCED	131	TO	8412	4	1	114	753.7509766	71	DEFENCE	48	FORCES	43	3	1	27	413.8662109
72	ANCIENT	258	CIVILISATION	83	4	1	58	750.5203247	72	BORD	22	PLEANALA	22	3	1	21	411.4969482
73	ANGLO	84	IRISH	1024	4	1	70	747.5744019	73	SURE	93	THAT	1686	4	1	55	404.562561
74	WRITE	322	AN	1024	3	1	96	740.3486328	74	CIVIC	33	EDUCATION	145	4	4	29	402.5204468
75	CHANGES	190	IN	9335	4	1	132	730.7747803	75	NEIGHBOURHOOD	28	WATCH	48	4	1	24	392.9617615
76	EVEN	148	THOUGH	88	3	1	53	728.0942993	76	OUT	598	OF	5688	4	3	142	390.8471375
77	GENERAL	219	ELECTION	108	4	1	58	724.7822876	77	AT	690	LEAST	39	4	1	36	390.6626282
78	ANSWER	162	FOLLOWING	410	3	2	69	724.411377	78	CIVIC	33	POLITICAL	182	4	3	29	387.997345
79	CHANGE	284	IN	9335	4	1	152	722.1835327	79	SOME	362	OF	5688	4	1	115	387.6349487
80	ANCIENT	258	ROME	295	4	1	70	709.234436	80	COULD	309	BE	1025	4	1	66	385.3092041
81	BORN	102	IN	9335	4	1	100	708.4835815	81	ROLE	59	PLAY	82	4	1	29	383.7018738
82	RELATIONS	228	THE	27402	3	2	181	702.789978	82	OUT	598	ABOUT	705	4	1	71	380.2132874
83	CENTURY	746	IRELAND	1656	4	1	127	697.15979	83	WAS	819	SET	168	4	1	53	380.1798096
84	AT	1313	TIME	412	4	2	102	690.7784424	84	WHY	303	DO	654	4	1	58	377.4294434
85	OUR	223	CIVILISATION	83	3	4	53	686.2966309	85	YOUR	856	ACTION	585	4	1	74	376.9397278
86	WHAT	985	IS	968	4	1	117	681.7856445	86	HAD	296	TO	5612	4	1	104	376.8186951

87	FINE	67	GAEL	38	4	1	38	678.8800659	87	REPORT	143	ACTION	585	4	3	47	373.928833
88	THEIR	1569	OWN	212	4	1	88	671.9348755	88	UNIVERSAL	27	DECLARATION	51	4	1	23	371.4631653
89	COLD	85	WAR	1155	4	1	66	669.2788086	89	TRY	64	TO	5612	4	1	57	366.8283691
90	DIVIDED	117	INTO	519	4	1	63	668.7028198	90	DIVIDE	35	INTO	244	4	3	29	362.0105286
91	THERE	499	WAS	4499	4	1	142	656.9998169	91	BETWEEN	129	AND	4511	4	2	70	359.9347534
92	CERTIFICATE	63	HISTORY	296	4	1	50	653.4451904	92	THEY	774	HAVE	1038	4	1	82	356.6730347
93	PEOPLE	1508	WERE	3904	4	1	198	649.8057251	93	HE	342	SAID	226	4	1	45	356.6255493
94	INTERNATIONAL	211	THE	27402	3	3	167	646.444397	94	HUMAN	270	DIGNITY	41	4	1	30	353.6682129
95	DURING	610	WAR	1155	4	2	104	646.2635498	95	MAKE	344	A	4845	4	1	101	353.327301
96	EUROPEAN	325	UNITY	72	3	1	51	634.8103638	96	NOT	533	TO	5612	4	2	127	353.3089294
97	TRIED	108	TO	8412	4	1	95	632.7012939	97	THEIR	686	OWN	131	4	1	45	347.8845215
98	COULD	547	NOT	740	4	1	89	625.1984863	98	ASSESSMENT	57	BOOK	90	4	1	27	347.6203308
99	NATIONAL	166	ASSEMBLY	107	4	1	49	619.7193604	99	WELL	106	AS	894	4	1	45	347.3344727
100	BRITAIN	466	FRANCE	408	4	2	74	7.105200291	100	ABLE	54	TO	5612	4	1	51	344.34198

MATHS TEXTBOOKS CORPUS									SCIENCE TEXTBOOKS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.	N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	CALCULATE	1202	THE	15659	4	1	967	4383.473145	1	CARBON	535	DIOXIDE	458	4	1	430	5774.469238
2	VALUE	702	OF	8278	4	1	543	3065.286377	2	TEST	754	TUBE	607	4	1	390	4149.758789
3	ON	1046	THE	15659	4	1	745	3039.36377	3	CAN	1292	BE	1406	4	1	509	3971.796875
4	HOW	437	MANY	260	4	1	222	2770.066162	4	BUNSEN	188	BURNER	177	4	1	169	2687.786621
5	AREA	824	OF	8278	4	1	504	2449.173828	5	EXPERIMENT	713	TO	6365	4	2	407	2223.454102
6	BOTH	448	SIDES	464	4	1	228	2413.308838	6	AS	1476	SHOWN	381	4	1	246	2177.479736
7	WRITE	404	DOWN	256	4	1	186	2217.542236	7	SUCH	253	AS	1476	4	1	213	2087.467773
8	NUMBER	1229	OF	8278	4	1	548	2193.310791	8	SET	221	UP	748	4	1	185	2081.763428
9	EACH	895	FOLLOWING	547	4	3	250	2172.624023	9	HIGHER	197	LEVEL	291	4	1	152	2004.472534
10	CALCULATE	1202	OF	8278	4	3	493	1868.13147	10	THIS	1477	IS	5986	4	1	468	1919.373047
11	CORRECT	250	TO	2830	4	1	222	1860.976807	11	WHAT	946	IS	5986	4	1	357	1604.17688
12	STANDARD	141	RATE	320	3	1	135	1833.200317	12	APPARATUS	325	USED	869	4	3	171	1595.250366
13	SURFACE	155	AREA	824	4	1	151	1737.507446	13	NUMBER	289	OF	10065	4	1	255	1544.736694
14	IMAGE	316	UNDER	357	4	4	156	1707.162109	14	USED	869	TO	6365	4	1	338	1501.147583
15	UNDER	357	SYMMETRY	328	4	3	157	1705.473267	15	RETORT	102	STAND	164	4	1	95	1451.924316
16	AT	988	THE	15659	4	1	519	1647.486084	16	LIVING	196	THINGS	182	4	1	108	1419.117188
17	IMAGE	316	OF	8278	4	1	272	1645.173096	17	AT	858	THE	21019	4	1	472	1419.028076
18	VENN	133	DIAGRAM	443	4	1	128	1636.721558	18	RESULT	293	CONCLUSION	181	4	2	114	1399.67688
19	AVERAGE	144	SPEED	237	3	1	119	1612.35144	19	CENTRE	154	GRAVITY	179	4	2	102	1397.262573
20	TAX	395	PAID	127	4	1	123	1609.890869	20	THROUGH	645	THE	21019	4	1	407	1378.092407
21	CAN	298	BE	610	4	1	162	1606.717773	21	WHAT	946	HAPPENS	158	4	1	129	1360.92334
22	VOLUME	362	OF	8278	4	1	283	1599.648438	22	DOES	328	NOT	666	4	1	138	1279.021729
23	CENTRAL	122	SYMMETRY	328	4	1	115	1533.397461	23	SHOW	435	THAT	1479	4	1	172	1276.119751
24	FOR	1327	YEAR	432	4	2	194	1494.697144	24	ATMOSPHERIC	96	PRESSURE	380	4	1	94	1265.365723
25	VALUES	420	FOR	1327	4	3	192	1488.012695	25	AMOUNT	202	OF	10065	4	1	190	1213.796387
26	HOW	437	MUCH	148	4	1	120	1432.000366	26	MAGNETIC	169	FIELD	101	4	1	83	1201.628174
27	VALUES	420	OF	8278	4	1	279	1419.188599	27	THEY	816	ARE	2604	4	1	223	1201.033813
28	SYMMETRY	328	IN	3451	4	1	205	1363.459473	28	SHOWN	381	DIAGRAM	314	4	3	117	1192.842285
29	QUESTION	340	A	7017	4	2	241	1356.209473	29	PIECE	197	OF	10065	4	1	186	1192.383057

30	YOUR	378	ANSWER	206	4	1	118	1308.007935	30	SODIUM	329	HYDROXIDE	119	4	1	91	1143.460205
31	EACH	895	OF	8278	4	1	351	1286.344727	31	ELECTRICAL	248	ENERGY	1177	4	1	132	1143.417358
32	MULTIPLY	204	BY	855	4	3	132	1272.777832	32	DO	355	NOT	666	4	1	127	1122.682129
33	DIVIDE	223	BY	855	4	3	134	1261.405396	33	SHOULD	227	BE	1406	4	1	130	1104.849365
34	SIDES	464	BY	855	4	1	158	1251.92688	34	TEST	754	TUBES	161	4	1	106	1083.990356
35	USE	293	TO	2830	4	3	177	1229.057129	35	AN	1386	OBJECT	237	4	1	129	1081.01709
36	TERMS	375	OF	8278	4	1	242	1207.776001	36	MICRO	72	ORGANISMS	153	4	1	69	1062.28186
37	FROM	516	THE	15659	4	1	327	1204.892822	37	FIND	345	THE	21019	4	1	264	1056.768433
38	CUT	102	OFF	142	3	1	82	1195.687622	38	BAR	107	MAGNET	190	4	1	76	1030.304199
39	RIGHT	231	ANGLED	84	4	1	83	1193.690063	39	METRE	105	STICK	97	4	1	68	1026.426147
40	BOTH	448	BY	855	4	2	150	1180.817871	40	WHEN	1186	IS	5986	4	3	292	1026.12085
41	GROSS	169	TAX	395	3	1	105	1174.554565	41	GAS	573	JAR	194	4	1	100	1007.698547
42	DECIMAL	148	PLACES	100	4	1	80	1153.412598	42	COTTON	90	WOOL	120	4	1	67	997.1594849
43	PIE	70	CHART	89	4	1	68	1145.710205	43	WITH	1481	A	9373	4	1	368	991.4645386
44	END	160	YEAR	432	4	4	102	1127.359863	44	COBALT	79	CHLORIDE	218	4	1	70	984.9467163
45	COMMON	176	FACTOR	110	3	1	80	1086.26123	45	UP	748	SHOWN	381	4	4	119	981.0446777
46	GRAPH	457	THE	15659	4	2	292	1082.454834	46	HOW	528	YOU	1113	4	2	139	975.3852539
47	STANDARD	141	CUT	102	3	2	76	1082.194092	47	SHOWN	381	IN	5822	4	1	186	961.9386597
48	AN	680	EQUATION	652	4	1	145	1075.874023	48	METHOD	538	SET	221	3	2	97	948.0346069
49	GROSS	169	INCOME	226	3	1	89	1065.944214	49	SO	460	THAT	1479	4	1	139	937.0826416
50	CORRECT	250	DECIMAL	148	4	3	88	1062.569336	50	GRADUATED	60	CYLINDER	90	4	1	56	927.982666
51	UNDER	357	AXIAL	142	4	2	91	1044.030396	51	MORE	417	THAN	399	4	1	102	921.8468628
52	LENGTH	459	OF	8278	4	1	233	1001.989929	52	USING	413	A	9373	4	1	209	904.8031616
53	AT	988	END	160	4	2	106	994.1063232	53	EXPERIMENT	713	SHOW	435	4	2	113	893.5319824
54	SPEED	237	KM [KILOMETRES]	311	4	3	94	983.2103271	54	ACID	517	RAIN	128	4	1	81	880.5493164
55	UNDER	357	TRANSLATION	116	4	2	83	980.5836792	55	HAS	750	BEEN	142	4	1	86	855.2661743
56	RADIUS	311	CM [CENTIMETRES] [CENTIMETRES]	1294	4	3	130	977.4246826	56	CHEMICALS	183	USED	869	3	1	93	849.243103
57	STANDARD	141	OFF	142	3	3	74	968.2051392	57	SET	221	APPARATUS	325	4	3	81	842.4198608
58	FREQUENCY	255	TABLE	241	4	1	89	955.5631714	58	HOW	528	WOULD	410	4	1	100	839.541748
59	CORRECT	250	NEAREST	132	4	3	79	951.7698364	59	ALLOW	166	TO	6365	4	2	130	839.430603
60	RATE	320	CUT	102	3	1	77	942.1920166	60	MUST	148	BE	1406	4	1	95	838.1030884
61	SOLVE	433	FOR	1327	4	1	137	929.5560303	61	CONICAL	59	FLASK	214	4	1	57	828.3809204

62	BUT	136	NOT	282	4	1	79	922.0707397	62	APPARATUS	325	SHOWN	381	4	2	88	821.4439087
63	SUM	150	OF	8278	3	1	141	913.7866211	63	ONE	781	OF	10065	4	2	259	820.8860474
64	FOR	1327	WHICH	406	4	1	131	894.3346558	64	HEAT	750	ENERGY	1177	4	1	135	816.6089478
65	HAND	74	SIDE	253	3	1	66	886.8649902	65	LITMUS	127	PAPER	438	4	1	74	811.206604
66	VALUES	420	WHICH	406	4	4	102	886.3504639	66	FOSSIL	63	FUELS	80	4	1	50	802.6860352
67	UNDER	357	CENTRAL	122	4	2	77	876.0866089	67	MAY	205	BE	1406	4	1	100	802.1859131
68	AXIAL	142	IN	3451	4	2	115	866.031311	68	CURRENT	512	FLOW	177	4	2	80	793.8242798
69	SOLVE	433	EQUATION	652	4	2	111	863.234375	69	THERE	346	ARE	2604	4	1	130	793.2991943
70	IT	504	IS	3609	4	1	173	857.0406494	70	DILUTE	124	ACID	517	4	2	74	789.8925171
71	EXPRESS	297	IN	3451	4	2	144	850.1764526	71	IF	724	YOU	1113	4	1	128	783.4196167
72	RATE	320	OFF	142	3	2	75	831.489502	72	THAT	1479	IS	5986	4	2	270	780.5995483
73	CORRECT	250	PLACES	100	4	4	67	827.1467285	73	BETWEEN	273	AND	6748	4	3	148	763.4626465
74	WRITE	404	IN	3451	4	3	155	822.6212769	74	DILUTE	124	HYDROCHLORIC	146	4	1	59	759.6615601
75	AT	988	OF	8278	4	3	278	808.7566528	75	KINETIC	73	ENERGY	1177	4	1	70	758.7788086
76	SUCH	127	THAT	810	4	1	83	807.2176514	76	WILL	715	BE	1406	4	1	132	756.7081299
77	FREQUENCY	255	DISTRIBUTION	87	4	1	64	806.8986816	77	SHOWN	381	THE	21019	4	2	231	753.5635986
78	CM [CENTIMETRES]	1294	AND	4015	4	1	236	795.2516479	78	PASS	118	THROUGH	645	4	1	72	739.138916
79	AMOUNT	214	OF	8278	4	1	150	786.9837646	79	IF	724	IS	5986	4	3	197	732.0805664
80	ARE	1245	EQUAL	314	4	1	110	785.4944458	80	OUTER	115	SHELL	112	3	1	54	728.0841675
81	AS	923	A	7017	4	1	249	778.5151978	81	EACH	714	OTHER	533	4	1	101	724.9399414
82	SELLING	58	PRICE	212	4	1	55	777.0321045	82	METHOD	538	UP	748	3	3	101	712.8532104
83	LESS	80	THAN	176	4	1	58	776.9122925	83	IRON	311	FILINGS	51	4	1	51	712.5609741
84	CM [CENTIMETRES]	1294	ITS	361	4	2	114	776.8466187	84	VOLUME	247	OF	10065	4	1	151	711.9770508
85	BETWEEN	203	AND	4015	4	2	123	765.8482056	85	MEASURED	155	IN	5822	3	1	112	709.8898926
86	USE	293	YOUR	378	4	1	83	759.4934692	86	COBALT	79	PAPER	438	4	2	60	708.2980347
87	WHAT	277	THE	15659	4	2	192	759.1931152	87	CAUSED	93	BY	1510	4	1	74	696.8995361
88	MEAN	292	OF	8278	4	1	165	756.8722534	88	WHAT	946	YOU	1113	4	2	126	694.9359741
89	ON	1046	LINE	835	4	2	132	755.8602905	89	BE	1406	USED	869	4	1	131	694.1003418
90	CM [CENTIMETRES]	1294	CALCULATE	1202	4	1	155	755.7020264	90	AN	1386	ELECTRIC	225	4	1	91	687.2440796
91	PROVE	227	THAT	810	4	1	90	749.4400635	91	ELECTRIC	225	CURRENT	512	4	1	75	685.6375122
92	EQUATION	652	OF	8278	4	1	223	743.0499878	92	UP	748	APPARATUS	325	4	2	87	681.6738892
93	OR	693	OTHERWISE	77	4	1	66	728.9837036	93	MADE	360	UP	748	4	1	89	681.3475342

94	SIN [SINE]	432	COS [COSINE]	271	4	3	81	726.8651123	94	LESS	137	THAN	399	4	1	64	672.8735962
95	EQUAL	314	TO	2830	4	1	125	723.4503174	95	TEST	754	FOR	1735	4	1	130	670.1410522
96	DIVIDE	223	BOTH	448	3	1	78	722.635498	96	SET	221	AS	1476	4	4	90	669.5824585
97	AS	923	SHOWN	183	4	1	85	718.9645386	97	THERE	346	IS	5986	4	1	143	669.3618164
98	DIVIDE	223	SIDES	464	3	2	77	704.8417969	98	AS	1476	DIAGRAM	314	4	4	98	665.7371216
99	ARE	1245	IN	3451	4	2	203	695.1268311	99	PART	191	OF	10065	4	1	131	664.491394
100	POINT	650	ON	1046	4	1	116	692.5890503	100	PLACE	558	A	9373	4	1	194	660.5917358

Appendix C4: The top 100 most significant collocations in the six examinations corpora ranked by descending order of significance based on G^2 scores (frequency threshold F≥ 10, minimum range 60%).

ENGLISH EXAMINATIONS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	TURN	171	OVER	249	8	1	155	1846.577637
2	GIVE	242	REASONS	130	10	1	122	1459.680054
3	DO	372	THINK	266	10	2	131	1122.806152
4	THEN	233	QUESTIONS	213	10	3	113	1118.66272
5	SHORT	119	STORY	185	10	1	95	1116.217407
6	DO	372	YOU	1896	10	1	204	1091.995117
7	SECTION	282	READ	172	10	4	108	1066.491333
8	REASONS	130	FOR	786	10	1	117	1043.288086
9	QUESTION	194	TWO	285	10	1	106	998.604187
10	GIVE	242	FOR	786	10	2	136	984.2346802
11	GIVE	242	YOUR	769	10	3	135	980.3528442
12	REASONS	130	YOUR	769	10	2	112	979.6212769
13	NOVEL	90	SHORT	119	10	2	73	939.0368652
14	QUESTIONS	213	FOLLOW	121	10	2	83	890.7589111
15	WHICH	346	FOLLOW	121	10	1	89	875.3659058
16	TURN	171	SECTION	282	8	2	93	871.6865845
17	EITHER	118	OR	754	10	2	100	869.7432251
18	NOVEL	90	STORY	185	10	3	73	849.6702881
19	REASONS	130	ANSWER	641	10	3	98	840.1768799
20	THEN	233	ANSWER	641	10	1	113	817.2481079
21	REFERENCE	109	TO	1825	10	1	105	790.6034546
22	QUESTION	194	ONE	368	10	1	93	780.6352539
23	OVER	249	SECTION	282	8	1	93	778.6810913
24	JUNIOR	44	CERTIFICATE	45	10	1	44	749.2161865
25	SUPPORT	70	REFERENCE	109	10	4	57	735.4437866
26	EXPLAIN	190	WHY	251	10	1	80	711.6030884

GEOGRAPHY EXAMINATIONS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	ORDNANCE	141	SURVEY	142	10	1	141	1880.74353
2	EITHER	96	OR	232	10	2	95	1025.0271
3	LOOK	81	AT	250	10	1	81	862.0263062
4	SURVEY	142	MAP	297	10	1	97	822.3067017
5	ORDNANCE	141	MAP	297	10	2	95	800.1728516
6	AERIAL	66	PHOTOGRAPH	174	9	1	66	755.0296631
7	OTHERWISE	40	LOST	42	10	4	40	621.5357666
8	RETURN	59	WITH	203	10	3	57	609.7556152
9	JUNIOR	38	CERTIFICATE	38	10	1	38	609.6327515
10	OTHERWISE	40	WILL	52	10	2	40	581.4358521
11	MARKS	91	BE	165	10	2	60	574.8943481
12	WILL	52	LOST	42	10	2	40	565.3556519
13	YOU	199	HAVE	114	10	1	64	554.0928345
14	WILL	52	BE	165	10	1	49	537.5494995
16	CERTIFICATE	38	EXAMINATION	60	10	1	38	530.7738037
15	JUNIOR	38	EXAMINATION	60	10	2	38	530.7738037
24	EXAMINATIONS	32	COMMISSION	32	8	1	32	524.3688354
18	SCRUDUITHE	32	COMMISSION	32	8	4	32	524.3688354
22	STAIT	32	COMMISSION	32	8	3	32	524.3688354
20	SCRUDUITHE	32	EXAMINATIONS	32	8	3	32	524.3688354
23	STAIT	32	EXAMINATIONS	32	8	2	32	524.3688354
21	COIMISIUN	32	SCRUDUITHE	32	8	2	32	524.3688354
19	COIMISIUN	32	STAIT	32	8	3	32	524.3688354
17	SCRUDUITHE	32	STAIT	32	8	1	32	524.3688354
25	CERTIFICATE	38	GEOGRAPHY	64	10	3	38	523.1732788
26	JUNIOR	38	GEOGRAPHY	64	10	4	38	523.1732788

27	NOVEL	90	OR	754	10	1	75	644.1137085
28	MEDIA	44	STUDIES	41	10	1	38	609.9574585
29	FROM	448	THE	4813	10	1	203	606.4855957
30	JUNIOR	44	ENGLISH	57	10	4	40	601.1730347
31	SECTION	282	WRITING	86	10	3	60	600.3267822
32	CERTIFICATE	45	ENGLISH	57	10	3	40	596.5864868
33	ENGLISH	57	LEVEL	45	10	2	40	596.5864868
34	READ	172	THIS	797	10	1	87	595.1819458
35	ONE	368	OF	2306	10	1	145	589.3233643
36	GIVE	242	ANSWER	641	10	4	90	585.6832275
37	SUPPORT	70	ANSWER	641	10	2	63	583.9373779
38	JUNIOR	44	EXAMINATION	70	10	2	40	575.0352783
39	SUPPORT	70	YOUR	769	10	1	64	574.1622314
40	SCRUDUITHE	32	COMMISSION	32	8	4	32	572.2365112
41	STAIT	32	COMMISSION	32	8	3	32	572.2365112
42	COIMISIUN	32	NA	32	8	1	32	572.2365112
43	COIMISIUN	32	SCRUDUITHE	32	8	2	32	572.2365112
44	NA	32	SCRUDUITHE	32	8	1	32	572.2365112
45	COIMISIUN	32	STAIT	32	8	3	32	572.2365112
46	NA	32	STAIT	32	8	2	32	572.2365112
47	SCRUDUITHE	32	STAIT	32	8	1	32	572.2365112
48	CERTIFICATE	45	EXAMINATION	70	10	1	40	570.4490356
49	EXAMINATION	70	LEVEL	45	10	4	40	570.4490356
50	WRITE	248	A	2279	10	1	121	558.635376
51	EXAMINATIONS	34	COMMISSION	32	8	1	32	557.0236816
52	NA	32	EXAMINATIONS	34	8	4	32	557.0236816
53	SCRUDUITHE	32	EXAMINATIONS	34	8	3	32	557.0236816
54	STAIT	32	EXAMINATIONS	34	8	2	32	557.0236816
55	EXAMINATION	70	ENGLISH	57	10	2	40	532.383667
56	STATE	42	COMMISSION	32	8	2	32	526.1310425
57	COIMISIUN	32	STATE	42	8	4	32	526.1310425
58	NA	32	STATE	42	8	3	32	526.1310425
59	SCRUDUITHE	32	STATE	42	8	2	32	526.1310425
60	STAIT	32	STATE	42	8	1	32	526.1310425

30	NA	33	EXAMINATIONS	32	8	4	32	515.4064331
29	COIMISIUN	32	NA	33	8	1	32	515.4064331
28	NA	33	SCRUDUITHE	32	8	1	32	515.4064331
27	NA	33	STAIT	32	8	2	32	515.4064331
31	OTHERWISE	40	MARKS	91	10	1	40	512.7972412
32	HAS	118	BEEN	60	10	1	47	512.7060547
33	EXAMINATION	60	LEVEL	41	10	4	38	509.3122253
34	GEOGRAPHY	64	LEVEL	41	10	2	38	501.7122498
35	EXPLAIN	162	HOW	92	9	1	54	497.6098328
36	MARKS	91	LOST	42	10	3	40	496.7207031
37	REASONS	62	WHY	78	9	1	43	495.531311
38	YOUR	161	ANSWER	242	10	1	67	495.521698
40	COMMISSION	32	CERTIFICATE	38	8	2	32	491.2204895
41	EXAMINATIONS	32	CERTIFICATE	38	8	3	32	491.2204895
43	COMMISSION	32	JUNIOR	38	8	1	32	491.2204895
42	EXAMINATIONS	32	JUNIOR	38	8	2	32	491.2204895
39	STAIT	32	JUNIOR	38	8	4	32	491.2204895
46	STATE	44	COMMISSION	32	8	2	32	472.8049927
45	STATE	44	EXAMINATIONS	32	8	1	32	472.8049927
47	COIMISIUN	32	STATE	44	8	4	32	472.8049927
44	SCRUDUITHE	32	STATE	44	8	2	32	472.8049927
48	GEOGRAPHICAL	29	MIX	30	9	1	29	472.1480408
49	NA	33	STATE	44	8	3	32	463.8431702
50	NAME	186	ONE	240	9	1	66	462.7244568
51	YOUR	161	OTHERWISE	40	10	2	40	457.0965271
52	MARKS	91	WILL	52	10	1	40	456.6447754
53	OTHERWISE	40	BE	165	10	3	40	454.8438721
54	EXPLAIN	162	WHY	78	9	3	48	446.9755249
55	EXAMINATION	60	GEOGRAPHY	64	10	2	38	444.341217
56	COMMISSION	32	EXAMINATION	60	8	3	32	441.4580383
57	CIRCLE	50	CORRECT	390	10	2	48	439.9358826
58	STATE	44	CERTIFICATE	38	8	4	32	439.6600647
59	STATE	44	JUNIOR	38	8	3	32	439.6600647
60	WITH	203	YOUR	161	10	1	59	439.0678101

61	LEVEL	45	MARKS	106	10	2	40	525.5558472
62	COMMISSION	32	JUNIOR	44	8	1	32	520.6726685
63	STAIT	32	JUNIOR	44	8	4	32	520.6726685
64	THEN	233	THE	4813	10	2	140	520.5502319
65	COMMISSION	32	CERTIFICATE	45	8	2	32	518.1326904
66	STATE	42	EXAMINATIONS	34	8	1	32	510.9186707
67	EXAMINATIONS	34	JUNIOR	44	8	2	32	505.4603882
68	EXAMINATIONS	34	CERTIFICATE	45	8	3	32	502.9204102
69	FOLLOWING	209	QUESTIONS	213	10	1	60	494.1634827
70	AT	348	THE	4813	10	1	162	493.3763733
71	ADAPTED	67	FROM	448	9	1	52	486.5921936
72	LOOK	121	AT	348	10	1	57	476.2258301
73	COMMISSION	32	EXAMINATION	70	8	3	32	475.7108154
74	STATE	42	JUNIOR	44	8	3	32	474.5699158
75	STATE	42	CERTIFICATE	45	8	4	32	472.0301208
76	WORTH	43	MARKS	106	10	2	36	461.2447205
77	EACH	140	SECTION	282	10	1	55	458.4956055
78	QUESTIONS	213	WHICH	346	10	1	63	455.1438599
79	REFERENCE	109	THE	4813	10	2	92	448.0148315
80	EDITED	36	FORM	59	10	1	31	445.6747742
81	SECTIONS	91	AND	1983	10	4	70	439.155365
82	EACH	140	WORTH	43	10	3	36	437.4831848
83	FUNCTIONAL	30	WRITING	86	10	1	30	429.1068726
84	READ	172	CAREFULLY	81	10	3	42	424.941925
85	WRITE	248	COMPOSITION	38	10	2	36	414.1714172
86	ONE	368	FOLLOWING	209	10	3	59	411.1692505
87	QUESTION	194	WORTH	43	10	2	36	410.9692383
88	NAME	142	THE	4813	10	1	98	404.8886414
89	PLAY	152	FILM	52	10	2	36	404.7220764
90	MUST	141	SECTIONS	91	10	2	40	404.5569153
91	PICK	45	TOPIC	32	10	3	27	403.69104
92	CAREFULLY	81	THE	4813	10	1	74	387.602356
93	REFERENCE	109	TEXT	81	10	3	36	385.7792358

61	BE	165	LOST	42	10	1	40	438.7743225
62	WITH	203	OTHERWISE	40	10	3	40	436.1283875
63	HAVE	114	STUDIED	35	9	1	35	426.6519165
64	SKETCH	55	MAP	297	10	1	46	415.4284058
65	NORTH	80	WEST	50	9	1	36	412.0693665
66	RETURN	59	FOLDER	77	10	2	37	411.0403442
67	EACH	130	OF	1673	10	1	85	390.4414368
68	STATEMENTS	100	BELOW	122	10	1	43	384.4256287
69	YOU	199	STUDIED	35	9	2	35	382.1532593
70	NORTH	80	EAST	46	9	1	33	375.5362244
71	DESCRIBE	127	TWO	182	9	1	48	369.7278442
72	TWO	182	REASONS	62	9	1	40	365.4225464
73	YOUR	161	BOOK	32	10	2	32	363.7953186
74	WHAT	73	IS	534	9	1	51	362.8213501
75	THREE	121	QUESTIONS	122	9	3	42	352.3621521
76	SECTION	102	MARKS	91	10	3	38	351.4225464
77	BOXES	28	MATCH	42	10	2	25	346.2452698
78	YOUR	161	MARKS	91	10	3	41	343.8536987
79	NORTH	80	SOUTH	67	10	3	33	337.4927063
80	MARKS	91	QUESTIONS	122	10	2	38	334.8259888
81	EACH	130	STATEMENTS	100	10	3	39	331.3375244
82	ANSWERBOOK	28	OTHERWISE	40	9	1	24	330.2764282
83	WARNING	20	MUST	23	10	2	20	328.7132568
84	FOLDER	77	YOUR	161	10	2	38	327.1686096
85	RETURN	59	THIS	304	10	1	40	326.961853
86	ITS	52	PAIR	51	9	1	28	324.3344727
87	SHOWN	123	ON	220	10	1	45	322.8948669
88	SOUTH	67	WEST	50	8	1	29	321.2559509
89	MATCH	42	EACH	130	9	1	31	318.8798828
90	CIRCLE	50	ANSWER	242	8	3	36	318.7309875
91	YOUR	161	ANSWERBOOK	28	9	1	28	317.5219727
92	DRAW	38	SKETCH	55	9	2	26	313.3793945
93	ANSWERBOOK	28	WILL	52	9	3	24	312.3403015

94	PERSONAL	40	WRITING	86	10	1	30	384.1325073	94	WITH	203	BOOK	32	10	3	30	310.4694214
95	ONLY	107	TOPIC	32	10	2	29	379.3551941	95	LEVEL	41	SECTION	102	10	1	29	309.6017456
96	ANY	139	OF	2306	10	2	77	378.8829651	96	FOLDER	77	WITH	203	10	1	38	307.4611206
97	QUESTION	194	ANSWER	641	10	3	62	377.8666077	97	EACH	130	THE	2993	10	2	87	305.6883545
98	TWO	285	FOLLOWING	209	10	3	52	374.9076538	98	BOXES	28	PROVIDED	104	10	1	26	305.4750366
99	PLAY	152	YOU	1896	10	4	75	374.418396	99	WITH	203	ANSWERBOOK	28	9	2	28	303.4147644
100	DESCRIBE	154	THE	4813	10	1	94	352.8994751	100	SPACES	33	PROVIDED	104	10	2	27	301.2240295

HISTORY EXAMINATIONS CORPUS									CSPE EXAMINATIONS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.	N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	TURN	73	OVER	92	9	1	73	983.0351563	1	FIRST	70	SECOND	59	9	2	53	638.5357056
2	YOUR	190	ANSWER	333	10	1	111	863.2354126	2	FIRST	70	ACTION	94	6	1	48	475.8831177
3	PAPER	110	ANSWER	333	10	3	92	824.0927124	3	PRINTED	35	SEPARATE	35	9	3	33	470.6313171
4	MIDDLE	59	AGES	56	10	1	54	777.5334473	4	HUMAN	42	RIGHTS	65	9	1	37	434.0891113
5	TWENTIETH	55	CENTURY	90	10	1	55	722.0848999	5	WILL	52	READ	34	9	1	33	424.0029297
6	ACCOUNT	119	OF	1642	10	1	114	710.7788086	6	WHEN	59	STUDIED	33	9	3	33	420.3366394
7	REASONS	97	WHY	223	10	1	72	672.9093628	7	COULD	74	TAKE	53	8	1	36	371.6210938
8	YOUR	190	BOOK	92	10	2	66	631.9863892	8	YOUNG	43	PEOPLE	188	9	1	37	332.4438171
9	JUNIOR	37	CERTIFICATE	38	10	1	37	586.7556152	9	PRINTED	35	ON	178	9	1	34	331.7716675
10	HISTORY	86	LEVEL	44	10	2	43	550.97052	10	BELOW	81	CARRIES	27	10	3	27	317.8651123
11	ACCOMPANY	40	THEN	69	10	4	40	544.2015991	11	SEPARATE	35	ON	178	9	4	33	315.2947083
12	DESCRIBED	41	BELOW	66	10	1	40	540.1903687	12	EACH	98	CARRIES	27	10	2	27	305.6025085
13	COIMISIUN	32	SCRUDUITHE	32	8	2	32	524.7510376	13	SECOND	59	MARKS	421	9	3	45	305.2307434
14	COIMISIUN	32	STAIT	32	8	3	32	524.7510376	14	HAS	84	BEEN	62	8	1	33	303.1648254
15	SCRUDUITHE	32	STAIT	32	8	1	32	524.7510376	15	STUDIED	33	ANSWER	171	9	3	31	297.8394165
16	EXTRACT	69	FROM	352	10	1	58	506.7303467	16	DESCRIBE	66	TWO	121	10	1	35	290.9706116
17	WORLD	59	WAR	115	10	1	46	503.9808655	17	WHEN	59	HAVE	121	9	2	34	290.5045166
18	SCRUDUITHE	32	EXAMINATIONS	31	8	3	31	501.4203491	18	ACTION	94	MARKS	421	7	2	50	282.5860596
19	STAIT	32	EXAMINATIONS	31	8	2	31	501.4203491	19	TOP	34	PAGE	275	9	3	32	275.1113586
20	WRITE	160	ABOUT	117	10	1	57	498.7082214	20	WHEN	59	YOU	349	10	1	40	270.0674438
21	STAIT	32	JUNIOR	37	8	4	32	495.4445801	21	COULD	74	TO	570	10	2	47	260.23349
22	EXAMINATIONS	31	COMMISSION	33	8	1	31	495.2305603	22	TOP	34	YOU	349	9	4	32	259.0235291
23	ACCOMPANY	40	PAPER	110	10	2	40	493.8887939	23	AT	81	THE	1448	10	1	61	257.8040466
24	SCRUDUITHE	32	COMMISSION	33	8	4	31	486.3307495	24	CLASS	81	TO	570	9	3	48	255.7796631
25	STAIT	32	COMMISSION	33	8	3	31	486.3307495	25	TOTAL	35	END	24	10	1	20	254.410202
26	COIMISIUN	32	NA	40	8	1	32	484.7188416	26	INCLUDED	24	BACK	18	6	3	17	244.0857697
27	NA	40	SCRUDUITHE	32	8	1	32	484.7188416	27	BEEN	62	INCLUDED	24	7	1	21	240.5226288
28	NA	40	STAIT	32	8	2	32	484.7188416	28	ANY	41	THREE	102	10	1	26	237.7922821
29	JUNIOR	37	EXAMINATION	83	10	2	37	481.9196167	29	PRINTED	35	A	543	9	2	33	237.2564392
30	JUNIOR	37	HISTORY	86	10	4	37	478.4627991	30	SET	26	UP	58	10	1	21	236.6043243
31	DESCRIBED	41	ABOUT	117	10	3	40	478.4035034	31	DESCRIBE	66	ACTIONS	36	9	2	23	233.6008606
32	EXAMINATIONS	31	JUNIOR	37	8	2	31	477.5206604	32	ALL	46	QUESTIONS	125	10	3	27	228.3143616

33	EXAMINATIONS	31	CERTIFICATE	38	8	3	31	474.0136414
34	CERTIFICATE	38	EXAMINATION	83	10	1	37	472.6731567
35	WRITE	160	ACCOUNT	119	10	2	55	472.479187
36	CERTIFICATE	38	HISTORY	86	10	3	37	469.2164612
37	NA	40	EXAMINATIONS	31	8	4	31	467.6671448
38	MENTION	141	TWO	353	10	1	67	462.534668
39	COMMISSION	33	JUNIOR	37	8	1	31	462.4315186
40	REASON	67	WHY	223	10	1	50	462.1987915
41	COMMISSION	33	CERTIFICATE	38	8	2	31	458.9245911
42	STATE	45	EXAMINATIONS	31	8	1	31	454.5214539
43	WHICH	167	ACCOMPANY	40	10	1	40	454.2187195
44	DESCRIBED	41	WRITE	160	10	2	40	448.7505798
45	COIMISIUN	32	STATE	45	8	4	31	445.6221924
46	SCRUDUITHE	32	STATE	45	8	2	31	445.6221924
47	EXAMINATION	83	LEVEL	44	10	4	37	443.3766479
48	INTERNATIONAL	32	RELATIONS	38	10	1	30	441.7494507
49	DO	88	THINK	48	9	2	38	440.6304321
50	BELOW	66	PERSON	90	10	4	41	440.4483948
51	STATE	45	COMMISSION	33	8	2	31	439.4330444
52	IF	44	YOU	220	10	1	42	435.1309814
53	PIECE	33	EVIDENCE	61	10	2	32	431.3736267
54	STATE	45	JUNIOR	37	8	3	31	421.725769
55	STATE	45	CERTIFICATE	38	8	4	31	418.2194214
56	NA	40	STATE	45	8	3	31	411.8742065
57	PEOPLE	166	DESCRIBED	41	10	1	38	410.0361633
58	SELECT	42	PEOPLE	166	10	4	38	405.0895081
59	PAPER	110	THEN	69	10	2	40	400.0905457
60	MENTION	141	ONE	450	10	1	64	399.8764648
61	BELOW	66	ABOUT	117	10	2	40	399.3930359
62	COMMISSION	33	EXAMINATION	83	8	3	31	385.5444336
63	INTERNATIONAL	32	TWENTIETH	55	10	4	29	385.2720032
64	THEN	69	QUESTIONS	129	10	4	40	384.5783386
65	AT	141	THE	2969	10	1	101	380.1382751
66	DESCRIBED	41	THAT	359	10	4	40	377.7839661

33	ACTIONS	36	COULD	74	7	4	23	227.225296
34	STUDY	40	THE	1448	10	1	40	226.2433624
35	ANY	41	QUESTIONS	125	10	4	26	225.7992706
36	HAS	84	INCLUDED	24	7	2	21	225.4376068
37	BELOW	81	EACH	98	10	1	29	223.6080322
38	HAS	84	DECIDED	30	8	1	22	220.667038
39	CARRIES	27	MARKS	421	10	2	27	220.4232788
40	DECIDED	30	TO	570	8	1	29	210.055954
41	UNITED	13	NATIONS	15	7	1	13	209.9095764
42	TOP	34	OF	898	9	1	33	209.5316467
43	BACK	18	BOOK	22	6	4	15	207.7640686
44	EACH	98	QUESTION	139	10	1	31	205.5358124
45	SPACES	15	PROVIDED	21	10	1	14	202.5875092
46	BEEN	62	BACK	18	6	4	17	200.2277222
47	EXAMINATION	52	NUMBER	40	10	1	20	199.144104
48	CLASS	81	DECIDED	30	8	2	20	195.15065
49	SECOND	59	ACTION	94	6	1	24	193.526947
50	TOP	34	THE	1448	9	2	34	192.1550903
51	THREE	102	QUESTIONS	125	10	3	29	191.400177
52	REASONS	23	WHY	70	9	1	18	191.373642
53	JUNIOR	11	CERTIFICATE	11	10	1	11	191.2579651
54	AT	81	BACK	18	6	2	17	189.8306122
55	TICK	29	BOX	38	7	3	17	189.2113037
56	SHOULD	46	INCLUDE	25	8	1	17	188.8570709
57	TAKE	53	TO	570	9	1	34	188.500824
58	ALL	46	IN	558	10	2	32	187.0751953
59	BELOW	81	QUESTION	139	10	2	27	181.5033112
60	NEED	17	EXTRA	13	10	1	12	178.9096527
61	MAKE	38	SURE	16	10	1	14	174.599411
62	CLASS	81	HAS	84	8	1	23	171.0043488
63	ASK	26	SUPERINTENDENT	12	10	3	12	170.6676178
64	CERTIFICATE	11	CIVIC	10	10	3	10	169.0746765
65	JUNIOR	11	CIVIC	10	10	4	10	169.0746765
66	INCLUDED	24	AT	81	6	1	17	168.61203

67	ACCOMPANY	40	THIS	222	10	1	37	374.6702881
68	BELOW	66	WRITE	160	10	1	40	369.7904663
69	SELECT	42	ONE	450	10	1	41	368.0002441
70	WRITE	160	AN	265	10	1	55	366.821228
71	EXAMINATION	83	HISTORY	86	10	2	37	364.4836121
72	ABOUT	117	PERSON	90	10	2	40	364.3294983
73	RELATIONS	38	TWENTIETH	55	10	3	29	363.5882263
74	INDUSTRIAL	36	REVOLUTION	77	10	1	30	360.4374695
75	HISTORY	86	MARKS	140	10	2	40	351.992157
76	SELECTED	21	TOP	23	10	3	21	348.4632263
77	THEN	69	FOLLOWING	218	10	3	41	348.295105
78	CENTRE	20	STAMP	20	10	1	20	346.7639465
79	TERMS	49	RELATING	26	8	1	25	345.9165344
80	PAPER	110	BOOK	92	10	4	38	343.7169495
81	RELATIONS	38	CENTURY	90	10	4	30	342.1612549
82	PEOPLE	166	BELOW	66	10	2	38	341.6762085
83	TITLE	20	SELECTED	21	10	1	20	338.7232971
84	WRITE	160	PERSON	90	10	3	40	334.7752991
85	DO	88	YOU	220	9	1	42	329.9576416
86	TITLE	20	TOP	23	10	4	20	328.952179
87	PLEASE	25	ENCLOSE	20	10	1	20	321.7438049
88	PERSON	90	YOU	220	10	2	41	316.7806091
89	EXPLAIN	100	FOLLOWING	218	9	4	42	316.6576233
90	ORDINARY	22	LEVEL	44	10	1	22	316.2507629
91	ACCOMPANY	40	AND	843	10	3	40	316.1765137
92	WHICH	167	PAPER	110	10	3	40	310.4289856
93	ABOUT	117	THAT	359	10	1	48	308.3810425
94	WARNING	18	RETURN	20	9	3	18	302.8763733
95	EVIDENCE	61	TO	641	10	1	44	301.1638794
96	THEN	69	ANSWER	333	10	1	40	300.068634
97	BELOW	66	THAT	359	10	3	40	299.0575562
98	PEOPLE	166	ABOUT	117	10	4	39	294.637207
99	HIGHER	22	LEVEL	44	10	1	21	293.0125732
100	DO	88	NOT	92	10	1	32	290.6627502

67	STUDIED	33	THIS	270	9	1	23	168.4283752
68	BOX	38	ABOVE	18	10	1	14	167.5906067
69	CLASS	81	COULD	74	8	1	22	167.470459
70	PLEASE	30	SUPERINTENDENT	12	10	4	12	166.1765747
71	WOULD	92	TO	570	10	2	38	164.9832764
72	EXTRA	13	PAPER	29	10	1	12	160.1716156
73	BELOW	81	A	543	10	1	35	159.111969
74	ACTIONS	36	YOUR	287	7	2	23	158.9701233
76	CENTRE	15	INSTRUCTIONS	10	10	4	10	156.6812439
77	CIVIC	10	SOCIAL	15	10	1	10	156.6812439
75	ANSWERS	10	SPACES	15	10	3	10	156.6812439
78	PUT	29	TICK	29	6	2	14	156.3509979
79	INSTRUCTIONS	10	SURE	16	10	3	10	154.6066437
80	APART	14	FROM	113	7	1	14	152.0061188
81	IF	39	EXTRA	13	10	3	12	151.363739
82	EXAMINATION	52	SUPERINTENDENT	12	10	1	12	150.3760376
83	CERTIFICATE	11	SOCIAL	15	10	4	10	149.97966
84	HOW	39	MANY	26	6	1	14	149.8832397
85	BLANK	22	FOR	309	6	2	19	149.3540497
86	ANSWERS	10	PROVIDED	21	10	4	10	146.7121277
87	NEED	17	PAPER	29	10	2	12	146.6310577
88	BACK	18	THIS	270	6	2	17	146.1573334
89	IT	102	IS	233	9	1	28	144.7657776
90	ONLY	43	ONCE	14	8	1	12	144.1609192
91	END	24	TOTALS	10	10	3	10	143.1753845
92	PRINTED	35	PAGE	275	6	4	21	142.776413
93	SPACES	15	HAND	13	10	3	10	142.6371765
94	ORDER	21	TO	570	6	1	20	142.55513
95	CIVIC	10	EDUCATION	25	10	4	10	142.1260834
96	AS	77	PART	26	8	1	15	140.1950836
97	INCLUDE	25	SLOGAN	23	10	2	12	140.1105042
98	WHEN	59	THIS	270	9	4	24	138.8666077
99	ANY	41	SECTION	196	10	4	20	138.1483612
100	IF	39	NEED	17	10	2	12	137.8264923

MATHEMATICS EXAMINATIONS CORPUS									SCIENCE EXAMINATIONS CORPUS								
N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.	N	Word 1	Freq.	Word 2	Freq.	Texts	Gap	Joint	Log L.
1	YOUR	216	ANSWER	170	10	1	142	1503.64917	1	EXAMINER	220	ONLY	236	10	2	218	2758.70459
2	WRITE	182	DOWN	116	10	1	110	1262.237427	2	EXAMINER	220	USE	454	10	1	219	2278.475342
3	VALUE	186	OF	2471	10	1	182	1049.825439	3	LIST	156	RIGHT	204	10	3	134	1528.914307
4	GIVE	82	YOUR	216	10	1	81	897.0675049	4	LIST	156	ON	437	10	1	139	1325.685181
5	CORRECT	111	TO	685	10	1	106	874.1864014	5	CAN	168	BE	240	10	1	124	1268.748047
6	HOW	137	MANY	72	10	1	71	864.7128906	6	DESCRIBE	187	AID	96	8	3	96	1179.085205
7	JUNIOR	52	CERTIFICATE	53	10	1	52	802.4390259	7	WITH	278	AID	96	8	2	96	1079.844482
8	SUPPORTING	65	WORK	143	8	1	64	766.2731323	8	CARBON	85	DIOXIDE	77	10	1	74	1056.252808
9	JUNIOR	52	EXAMINATION	52	10	2	50	751.1271973	9	AID	96	LABELLED	358	8	3	90	911.3463135
10	CERTIFICATE	53	EXAMINATION	52	10	1	50	745.0247192	10	DESCRIBE	187	WITH	278	10	1	103	905.2042236
11	OR	91	OTHERWISE	55	10	1	55	730.9047852	11	QUESTION	293	A	2646	10	3	195	887.2451782
12	EXAMINATION	52	LEVEL	56	10	4	50	729.9459839	12	EXPERIMENT	239	TO	1068	10	1	144	877.4898071
13	NUMBER	225	OF	2471	10	1	163	714.3927002	13	AID	96	DIAGRAM	765	7	4	95	840.0772705
14	EXAMINATION	52	MATHEMATICS	60	10	2	50	714.0149536	14	SHOWN	207	DIAGRAM	765	10	3	120	799.6540527
15	JUNIOR	52	MATHEMATICS	60	10	4	50	714.0149536	15	USED	286	TO	1068	10	1	143	795.1831055
16	CERTIFICATE	53	MATHEMATICS	60	10	3	50	707.9129028	16	SHOWN	207	IN	1372	10	1	136	792.640686
17	SUPPORTING	65	BE	206	8	3	64	707.6464844	17	PIECE	74	EQUIPMENT	100	7	2	59	731.3329468
18	SPACE	53	EXTRA	78	8	2	52	703.1439209	18	ANSWER	264	QUESTIONS	153	10	2	83	728.2579956
19	MATHEMATICS	60	LEVEL	56	10	2	50	692.835144	19	CHOOSE	103	FROM	392	8	3	78	695.7791138
20	OBTAINED	55	SUPERINTENDENT	74	10	3	50	658.2782593	20	SHOWN	207	THE	5048	10	2	170	677.1447144
21	CORRECT	111	DECIMAL	58	10	3	54	656.6328735	21	COMPLETE	106	SENTENCES	53	6	2	51	664.6937866
22	LENGTH	118	OF	2471	10	1	115	656.4480591	22	COMPLETE	106	BELOW	159	8	3	64	654.1002197
23	ATTEMPT	50	QUESTION	72	10	4	48	649.1009521	23	LIST	156	THE	5048	10	2	143	639.8591309
24	EXAMINATIONS	40	COMMISSION	40	8	1	40	645.8717651	24	TEST	133	TUBE	64	7	1	53	619.3716431
25	SCRUDUITHE	40	COMMISSION	40	8	4	40	645.8717651	25	SET	49	UP	63	10	1	44	618.357605
26	STAIT	40	COMMISSION	40	8	3	40	645.8717651	26	RIGHT	204	COMPLETE	106	8	2	64	614.7020264
27	NA	40	EXAMINATIONS	40	8	4	40	645.8717651	27	AID	96	OF	2650	8	1	96	612.6594238
28	SCRUDUITHE	40	EXAMINATIONS	40	8	3	40	645.8717651	28	AID	96	A	2646	7	2	95	595.4957886
29	STAIT	40	EXAMINATIONS	40	8	2	40	645.8717651	29	FUNCTION	102	OF	2650	10	1	98	592.0813599
30	COIMISIUN	40	NA	40	8	1	40	645.8717651	30	WITH	278	THE	5048	10	1	183	590.4570923
31	COIMISIUN	40	SCRUDUITHE	40	8	2	40	645.8717651	31	SHOWS	293	A	2646	10	1	153	586.1108398
32	NA	40	SCRUDUITHE	40	8	1	40	645.8717651	32	YOUR	100	ANSWER	264	10	1	60	537.9036865

33	COIMISIUN	40	STAIT	40	8	3	40	645.8717651
34	NA	40	STAIT	40	8	2	40	645.8717651
35	SCRUDUITHE	40	STAIT	40	8	1	40	645.8717651
36	AREA	133	OF	2471	10	1	121	640.7194824
37	WORK	143	BE	206	8	2	74	637.1665039
38	SYMBOL	41	INDICATES	40	8	1	40	636.4691772
39	SPACE	53	WORK	143	8	3	52	614.9750977
40	OBTAIN	40	FULL	45	8	1	40	614.4768677
41	STATE	48	COMMISSION	40	8	2	40	602.6178589
42	STATE	48	EXAMINATIONS	40	8	1	40	602.6178589
43	INDICATES	40	MUST	48	8	4	40	602.6178589
44	MUST	48	OBTAIN	40	8	4	40	602.6178589
45	COIMISIUN	40	STATE	48	8	4	40	602.6178589
46	NA	40	STATE	48	8	3	40	602.6178589
47	SCRUDUITHE	40	STATE	48	8	2	40	602.6178589
48	ATTEMPT	50	QUESTIONS	58	10	2	44	601.2773438
49	ALL	74	QUESTIONS	58	10	1	47	590.3032837
50	COMMISSION	40	EXAMINATION	52	8	3	40	589.6904907
51	COMMISSION	40	JUNIOR	52	8	1	40	589.6904907
52	EXAMINATIONS	40	JUNIOR	52	8	2	40	589.6904907
53	STAIT	40	JUNIOR	52	8	4	40	589.6904907
54	COMMISSION	40	CERTIFICATE	53	8	2	40	586.8198242
55	EXAMINATIONS	40	CERTIFICATE	53	8	3	40	586.8198242
56	QUESTIONS	58	CARRIES	40	8	3	40	574.0241089
57	ATTEMPT	50	ALL	74	10	1	44	565.4693604
58	INDICATES	40	SUPPORTING	65	8	2	40	559.2555542
59	SYMBOL	41	SUPPORTING	65	8	3	40	549.8540649
60	QUESTION	72	CARRIES	40	8	1	40	546.9492798
61	STATE	48	JUNIOR	52	8	3	40	546.4407349
62	ALL	74	CARRIES	40	8	4	40	543.7730103
63	STATE	48	CERTIFICATE	53	8	4	40	543.5703735
64	OBTAINED	55	FROM	177	10	1	50	540.8217163
65	GIVE	82	ANSWER	170	10	2	55	535.2424927
66	SUPERINTENDENT	74	SYMBOL	41	8	4	40	534.3718872

33	YOU	239	HAVE	101	10	1	56	500.4829712
34	WITH	278	OF	2650	10	3	136	496.4146729
35	WITH	278	A	2646	9	4	134	484.3085938
36	THERE	71	ARE	349	9	1	53	479.4101868
37	INDICATE	33	CLEARLY	49	10	1	32	477.4510803
38	EXTRA	54	INDICATE	33	10	2	32	467.7159729
39	DESCRIBE	187	OF	2650	10	4	111	462.6472473
40	JUNIOR	26	CERTIFICATE	26	10	1	26	457.4057007
41	HAVE	101	NAMED	52	10	1	38	445.3679504
42	WORD	55	LIST	156	8	3	41	441.8974304
43	PIECE	74	OF	2650	9	1	72	440.5785217
44	CHOOSE	103	WORD	55	6	2	37	420.8016052
45	YOU	239	ANSWERING	37	10	2	37	418.8196716
46	EXAMINATION	71	NUMBER	122	10	1	40	417.6760254
47	EXTRA	54	CLEARLY	49	10	3	32	413.4274902
48	DESCRIBE	187	THE	5048	10	2	125	407.6885986
49	SWITCH	45	CLOSED	28	9	2	27	403.7619324
50	INDICATE	33	NUMBER	122	10	3	32	400.3071289
51	PART	216	OF	2650	10	1	108	399.1990356
52	EXPERIMENT	239	SHOW	112	9	2	48	393.2703247
53	LETTER	105	THE	5048	6	3	92	390.3531189
54	WORKSPACE	24	INDICATE	33	7	1	24	387.3890686
55	RIGHT	204	TO	1068	9	1	79	382.4335327
56	EXAMINATIONS	21	COMMISSION	21	8	1	21	378.4115295
57	SCRUDUITHE	21	COMMISSION	21	8	4	21	378.4115295
58	STAIT	21	COMMISSION	21	8	3	21	378.4115295
59	SCRUDUITHE	21	EXAMINATIONS	21	8	3	21	378.4115295
60	STAIT	21	EXAMINATIONS	21	8	2	21	378.4115295
61	COIMISIUN	21	SCRUDUITHE	21	8	2	21	378.4115295
62	COIMISIUN	21	STAIT	21	8	3	21	378.4115295
63	SCRUDUITHE	21	STAIT	21	8	1	21	378.4115295
64	WORD	55	ON	437	9	4	43	374.6338501
65	WORD	55	FROM	392	8	1	42	371.6514893
66	YOU	239	NAMED	52	10	2	38	369.8275757

67	EXTRA	78	WORK	143	8	1	52	525.6970215
68	BE	206	OBTAINED	55	10	1	50	523.2314453
69	WORK	143	SHOWN	153	10	3	60	521.0511475
70	CORRECT	111	NEAREST	71	10	3	48	516.3348999
71	SUPPORTING	65	MUST	48	8	2	40	516.0101318
72	SPACE	53	FOR	355	8	1	52	506.6996765
73	GIVEN	82	THAT	242	10	1	56	502.4897156
74	GRAPH	163	PAPER	113	10	1	56	500.4332581
75	MUST	48	SHOWN	153	8	2	44	490.9661255
76	QUESTIONS	58	EACH	196	10	1	48	486.0789795
77	FROM	177	SUPERINTENDENT	74	10	2	50	481.181366
78	INDICATES	40	WORK	143	8	3	40	476.3627014
79	ITS	54	SIMPLEST	33	9	1	33	473.3649902
80	SHOWN	153	OBTAIN	40	8	2	40	470.0577393
81	SYMBOL	41	WORK	143	8	4	40	466.9645386
82	AS	152	SHOWN	153	9	1	56	465.9039001
83	BE	206	SUPERINTENDENT	74	10	4	50	463.614563
84	MUST	48	BE	206	8	1	44	460.871521
85	PART	72	NEXT	52	8	3	38	457.3249817
86	HOW	137	MUCH	38	10	1	38	455.6903381
87	QUESTION	72	MARKS	190	10	3	48	451.2590637
88	CARRIES	40	MARKS	190	8	2	40	450.3035278
89	OBTAIN	40	MARKS	190	8	2	40	450.3035278
90	EACH	196	CARRIES	40	8	2	40	447.5162354
91	ALL	74	QUESTION	72	8	3	40	444.8966675
92	BE	206	OBTAIN	40	8	3	40	443.0770569
93	SHOWN	153	FULL	45	8	3	40	438.6868286
94	SIMPLEST	33	FORM	79	9	1	33	438.1676025
95	DOWN	116	THE	3434	10	1	100	436.4960327
96	PAPER	113	OBTAINED	55	8	3	40	434.5911865
97	WORK	143	MUST	48	8	1	40	433.1437988
98	BE	206	THE	3434	10	3	131	432.6972961
99	INDICATES	40	THAT	242	8	1	40	428.8764038
100	REPRESENT	42	INFORMATION	46	9	2	32	428.3393555

67	WHEN	179	IS	982	10	3	72	367.0393372
68	ANY	83	TWO	366	9	1	46	366.3046265
69	CERTIFICATE	26	EXAMINATION	71	10	1	26	364.125824
70	JUNIOR	26	EXAMINATION	71	10	2	26	364.125824
71	CERTIFICATE	26	SCIENCE	73	10	3	26	362.3335266
72	JUNIOR	26	SCIENCE	73	10	4	26	362.3335266
73	WORKSPACE	24	CLEARLY	49	7	2	24	358.1539307
74	HAPPENS	78	TO	1068	7	1	55	357.9335632
75	TELL	26	US	25	8	1	22	353.7139282
76	COMMISSION	21	CERTIFICATE	26	8	2	21	352.954834
77	EXAMINATIONS	21	CERTIFICATE	26	8	3	21	352.954834
78	COMMISSION	21	JUNIOR	26	8	1	21	352.954834
79	EXAMINATIONS	21	JUNIOR	26	8	2	21	352.954834
80	STAIT	21	JUNIOR	26	8	4	21	352.954834
81	EXTRA	54	WORKSPACE	24	7	1	24	351.8700867
82	EXTRA	54	SPACE	32	10	1	26	351.7402649
83	COULD	68	BE	240	9	1	39	348.8627014
84	LIST	156	TO	1068	8	4	68	348.5788574
85	NA	28	EXAMINATIONS	21	8	4	21	346.9207458
86	COIMISIUN	21	NA	28	8	1	21	346.9207458
87	NA	28	SCRUDUITHE	21	8	1	21	346.9207458
88	NA	28	STAIT	21	8	2	21	346.9207458
89	CLEARLY	49	NUMBER	122	10	2	32	346.0531006
90	FOUND	60	IN	1372	10	1	51	342.2892151
91	AS	89	SHOWN	207	9	1	39	332.4035339
92	CHOOSE	103	A	2646	7	1	71	327.6339722
93	SCIENCE	73	LEVEL	37	10	2	26	317.3166809
94	USED	286	IN	1372	10	1	85	316.849884
95	CHOOSE	103	THE	5048	10	4	82	315.1954346
96	QUESTIONS	153	ANSWER	264	10	4	44	307.0605164
97	WOULD	104	EXPECT	25	10	2	24	305.3048096
98	WORKSPACE	24	NUMBER	122	7	4	24	305.0810242
99	COMPARE	59	THE	5048	8	1	59	298.9813843
100	MEANT	27	BY	271	7	1	27	297.2055664

APPENDIX D: 4-word cluster analysis of the twelve subject-specific corpora (F= frequency, R = range)

Appendix D1: The most frequent 4-word clusters in the six textbooks corpora (minimum frequency 40 per million words, minimum range 75%) and their structural patterns (structural classification based on an adapted version of Biber et al.'s taxonomy of lexical bundles in academic prose, 1999: 997-1025).

ENGLISH TEXTBOOKS CORPUS				
N	4-word cluster	Structural pattern	F‰	R%
1	GIVE REASONS FOR YOUR	Transitive V + NP fragment	0.24	100
2	REASONS FOR YOUR ANSWER	NP + post-modifier fragment	0.21	100
3	THE QUESTIONS THAT FOLLOW	NP+that-clause fragment	0.21	75
4	ANSWER THE QUESTIONS THAT	Transitive V + NP fragment	0.18	75
5	AND THEN ANSWER THE	Transitive V + NP fragment	0.16	75
6	OF THE FOLLOWING QUESTIONS	Other PP fragment	0.14	100
7	WHAT DO YOU THINK	WH-question fragment	0.12	100
8	THE END OF THE	NP + of fragment	0.08	100
9	TWO OF THE FOLLOWING	NP + of fragment	0.08	75
10	DO YOU THINK THE	yes-no question fragment	0.08	100
11	ONE OF THE FOLLOWING	NP + of fragment	0.06	100
12	AT THE END OF	PP with embedded of-phrase fragment	0.06	100
13	FILL IN THE GAPS	Transitive V + NP fragment	0.06	100
14	THE REST OF THE	NP + of fragment	0.06	100
15	EACH OF THE FOLLOWING	NP + of fragment	0.06	75
16	AT THE BEGINNING OF	PP with embedded of-phrase fragment	0.06	100
17	IN THE MIDDLE OF	PP with embedded of-phrase fragment	0.05	100
18	AND ANSWER THE QUESTIONS	Transitive V + NP fragment	0.05	75
19	GIVE A REASON FOR	Transitive V + NP fragment	0.05	100
20	THIS IS A VERY	3rd person pronoun + VP fragment	0.04	75
21	WHY DO YOU THINK	WH-question fragment	0.04	100
22	DO YOU THINK IS	yes-no question fragment	0.04	100
23	DO YOU THINK THAT	yes-no question fragment	0.04	100

GEOGRAPHY TEXTBOOKS CORPUS				
N	4-word cluster	Structural pattern	F‰	R%
1	EACH OF THE FOLLOWING	NP + of fragment	0.35	75.00
2	DRAW A SKETCH MAP	Transitive V + NP fragment	0.22	100.00
3	THE WEST OF IRELAND	NP + of fragment	0.20	75.00
4	A SKETCH MAP OF	NP + of fragment	0.20	100.00
5	THE ORDNANCE SURVEY MAP	NP	0.18	100.00
6	SKETCH MAP OF THE	NP + of fragment	0.15	100.00
7	THE AREA SHOWN ON	Passive verb + PP fragment	0.12	100.00
8	TO SUPPORT YOUR ANSWER	to-clause fragment	0.12	75.00
9	AREA SHOWN ON THE	Passive verb + PP fragment	0.12	100.00
10	SHOWN ON THE MAP	Passive verb + PP fragment	0.12	100.00
11	WITH THE AID OF	PP with embedded of-phrase fragment	0.11	75.00
12	PER CENT OF THE	NP + of fragment	0.10	75.00
13	STUDY THE ORDNANCE SURVEY	Transitive V + NP fragment	0.10	75.00
14	IN THE WEST OF	PP with embedded of-phrase fragment	0.10	100.00
15	TICK THE CORRECT BOX	Transitive V + NP fragment	0.10	75.00
16	MAP OF THE AREA	NP + of fragment	0.09	100.00
17	THE POPULATION OF THE	NP + of fragment	0.09	75.00
18	OF THE AREA SHOWN	Other PP fragment	0.09	100.00
19	IS ONE OF THE	Copula be + AdjP	0.09	75.00
20	IN THE FORM OF	PP with embedded of-phrase fragment	0.09	75.00
21	OF EACH OF THE	Other PP fragment	0.09	75.00
22	AND NAME THE FOLLOWING	Transitive V + NP fragment	0.09	75.00
23	USING EVIDENCE FROM THE	Transitive V + NP fragment	0.09	100.00
24	EVIDENCE FROM THE MAP	NP + Post-nominal clause fragment	0.08	75.00
25	EVIDENCE FROM THE PHOTOGRAPH	NP + Post-nominal clause fragment	0.08	100.00
26	ANSWER THE FOLLOWING QUESTIONS	Transitive V + NP fragment	0.08	100.00

27	THE CENTRE OF THE	NP + of fragment	0.07	100.00
28	THE SURFACE OF THE	NP + of fragment	0.07	75.00
29	WITH REFERENCE TO THE	Other PP fragment	0.07	75.00
30	ON ORDNANCE SURVEY MAPS	Other PP fragment	0.07	100.00
31	IN THE CASE OF	PP with embedded of-phrase fragment	0.06	75.00
32	TO THE DEVELOPMENT OF	PP with embedded of-phrase fragment	0.06	75.00
33	OF THE EARTH'S SURFACE	Other PP fragment	0.06	100.00
34	ORDNANCE SURVEY MAP OF	NP + of fragment	0.06	100.00
35	THE AID OF A	NP + of fragment	0.06	75.00
36	IN THE NORTHERN HEMISPHERE	Other PP fragment	0.06	75.00
37	SHOWN ON THE PHOTOGRAPH	Passive verb + PP fragment	0.06	75.00
38	WHY DO YOU THINK	WH-question fragment	0.06	100.00
39	WHICH OF THE FOLLOWING	NP + of fragment	0.06	100.00
40	TWO WAYS IN WHICH	NP + PP fragment clause	0.06	75.00
41	IN THE AREA SHOWN	Other PP fragment	0.06	75.00
42	GIVE TWO REASONS WHY	Transitive V + NP fragment	0.06	75.00
43	WHAT IS MEANT BY	WH-question fragment	0.06	75.00
44	THE AREA OF THE	NP + of fragment	0.05	100.00
45	THE FOLLOWING GRID REFERENCES	NP	0.05	100.00
46	DEVELOPED AT THIS LOCATION	Passive verb + PP fragment	0.05	75.00
47	MARK ON AND IDENTIFY	Transitive V + NP fragment	0.05	75.00
48	THE MID ATLANTIC RIDGE	NP	0.05	75.00
49	AS A RESULT OF	PP with embedded of-phrase fragment	0.05	75.00
50	THE DIRECTION OF THE	NP + of fragment	0.05	75.00
51	THE LOCATION OF THE	NP + of fragment	0.05	75.00
52	SIX FIGURE GRID REFERENCE	NP	0.05	100.00
53	IS MEANT BY THE	Passive verb + PP fragment	0.05	75.00
54	SHOWN IN THE PHOTOGRAPH	Passive verb + PP fragment	0.05	75.00
55	AND ANSWER THE FOLLOWING	Transitive V + NP fragment	0.05	100.00
56	AND IDENTIFY THE FOLLOWING	Transitive V + NP fragment	0.05	100.00
57	PACIFIC RING OF FIRE	NP + of fragment	0.05	75.00
58	THE BASE OF THE	NP + of fragment	0.05	100.00
59	THE EDGE OF THE	NP + of fragment	0.05	100.00
60	THE LENGTH OF THE	NP + of fragment	0.05	100.00

61	THE REPUBLIC OF IRELAND	NP + of fragment	0.05	75.00
62	A SIX FIGURE GRID	NP	0.05	100.00
63	THE CENTRAL BUSINESS DISTRICT	NP	0.05	75.00
64	FOR EACH OF THE	Other PP fragment	0.05	75.00
65	IN THE CITY CENTRE	Other PP fragment	0.05	75.00
66	ARE LOCATED IN THE	Passive verb + PP fragment	0.05	75.00
67	CALCULATE THE AREA OF	Transitive V + NP fragment	0.05	75.00
68	WHAT IS THE DISTANCE	WH-question fragment	0.05	75.00
69	FLAT OR GENTLY SLOPING	either-or fragment	0.05	100.00
70	OF THE WORLD ARE	Other PP fragment	0.05	75.00
71	AN EXAMPLE OF A	NP + of fragment	0.04	75.00
72	ONE OF THE MOST	NP + of fragment	0.04	75.00
73	ONE OF THE WORLD'S	NP + of fragment	0.04	75.00
74	SOUTH OF THE EQUATOR	NP + of fragment	0.04	75.00
75	UNEQUAL HEATING OF THE	NP + of fragment	0.04	75.00
76	FIGURE GRID REFERENCE FOR	NP + Post-nominal clause fragment	0.04	100.00
77	COUNTRIES SUCH AS IRELAND	NP + Post-nominal clause fragment	0.04	75.00
78	AT THE BASE OF	PP with embedded of-phrase fragment	0.04	100.00
79	BETWEEN RICH AND POOR	Other PP fragment	0.04	75.00
80	OF SAND AND GRAVEL	Other PP fragment	0.04	75.00
81	MEANT BY THE TERM	Passive verb + PP fragment	0.04	75.00
82	TWO PIECES OF EVIDENCE	NP + of fragment	0.04	75.00
83	A WIDE RANGE OF	NP + of fragment	0.04	75.00
84	MANY PARTS OF THE	NP + of fragment	0.04	75.00
85	NORTH AND SOUTH OF	NP + of fragment	0.04	75.00
86	THE PACIFIC RING OF	NP + of fragment	0.04	75.00
87	KILOMETRE GRID SQUARE SIDE	NP	0.04	75.00
88	THE NORTH ATLANTIC DRIFT	NP	0.04	75.00
89	IN MANY PARTS OF	PP with embedded of-phrase fragment	0.04	75.00
90	OF THE FOLLOWING GRID	Other PP fragment	0.04	75.00
91	ON THE OUTSKIRTS OF	Other PP fragment	0.04	100.00
92	ARE MORE LIKELY TO	Copula be + AdjP	0.04	75.00

HISTORY TEXTBOOKS CORPUS					CSPE TEXTBOOKS CORPUS				
N	**4-word cluster**	**Structural pattern**	**F‰**	**R %**	**N**	**4-word cluster**	**Structure**	**F‰**	**R%**
1	IN THE TWENTIETH CENTURY	Other PP fragment	0.47	75	1	HAS THE RIGHT TO	Transitive V + NP fragment	0.33	100.00
2	INTERNATIONAL RELATIONS IN THE	NP+post-modifier fragment	0.41	75	2	AND ANSWER THE QUESTIONS	(connector+) Transitive V + NP	0.19	75.00
3	IN IRELAND IN THE	Other PP fragment	0.25	100	3	THE WORK OF THE	NP + of fragment	0.16	100.00
4	WRITE AN ACCOUNT OF	Transitive V + NP fragment	0.24	75	4	WHY DO YOU THINK	WH-question fragment	0.16	100.00
5	THE END OF THE	NP + of fragment	0.17	100	5	OF THE ACTION PROJECT	Other PP fragment	0.15	100.00
6	EACH OF THE FOLLOWING	NP + of fragment	0.16	75	6	ANSWER THE QUESTIONS THAT	Transitive V + NP fragment	0.15	75.00
7	ANSWER THE FOLLOWING QUESTIONS	Transitive V + NP fragment	0.15	75	7	THE QUESTIONS THAT FOLLOW	NP	0.15	75.00
8	THE TREATY OF VERSAILLES	NP + of fragment	0.12	100	8	SOCIAL AND POLITICAL EDUCATION	NP	0.14	100.00
9	THE AGE OF REVOLUTIONS	NP + of fragment	0.11	75	9	AS PART OF THE	Other PP fragment	0.14	100.00
10	THE WAR OF INDEPENDENCE	NP + of fragment	0.11	100	10	A MEMBER OF THE	NP + of fragment	0.13	100.00
11	THE AGRICULTURAL AND INDUSTRIAL	Adj+Adj fragment	0.11	75	11	OF THE EUROPEAN UNION	Other PP fragment	0.13	75.00
12	AT THE END OF	PP with embedded of-phrase fragment	0.11	100	12	DECLARATION OF HUMAN RIGHTS	NP + of fragment	0.13	75.00
13	THE LEAGUE OF NATIONS	NP + of fragment	0.10	100	13	WHAT DO YOU THINK	WH-question fragment	0.12	100.00
14	AGRICULTURAL AND INDUSTRIAL REVOLUTIONS	NP	0.10	75	14	THE RIGHTS OF THE	NP + of fragment	0.11	100.00
15	OF THE TWENTIETH CENTURY	Other PP fragment	0.10	100	15	IS MADE UP OF	Passive verb + PP fragment	0.11	75.00
16	DURING THE MIDDLE AGES	Other PP fragment	0.10	75	16	WAS SET UP IN	Passive verb + PP fragment	0.10	100.00
17	PER CENT OF THE	NP + of fragment	0.10	75	17	DO YOU THINK THE	yes-no question fragment	0.10	100.00
18	THE HOME RULE PARTY	NP	0.09	100	18	THE EUROPEAN COURT OF	NP + of fragment	0.09	75.00
19	THE IRISH FREE STATE	NP	0.09	100	19	UNIVERSAL DECLARATION OF HUMAN	NP + of fragment	0.09	75.00
20	IN THE MIDDLE AGES	Other PP fragment	0.09	100	20	RIGHTS OF THE CHILD	NP + of fragment	0.09	100.00
21	THE BEGINNING OF THE	NP + of fragment	0.08	100	21	ON THE RIGHTS OF	Other PP fragment	0.09	100.00
22	AT THE AGE OF	PP with embedded of-phrase fragment	0.08	75	22	PART OF THE ACTION	NP + of fragment	0.09	75.00
23	AN ACCOUNT OF THE	NP + of fragment	0.08	75	23	REPORT ON AN ACTION	NP + PP fragment clause	0.09	100.00
24	AS A RESULT OF	PP with embedded of-phrase fragment	0.08	100	24	PEOPLE FOR THE PEOPLE	NP + Post-nominal clause fragment	0.09	75.00
25	GIVE TWO REASONS WHY	Transitive V + NP fragment	0.08	75	25	THE PEOPLE FOR THE	NP + Post-nominal clause fragment	0.09	75.00
26	TWO OF THE FOLLOWING	NP + of fragment	0.07	75	26	ON AN ACTION PROJECT	Other PP fragment	0.09	100.00
27	THE EARLY TWENTIETH CENTURY	NP	0.07	75	27	ON YOUR ACTION PROJECT	Other PP fragment	0.09	75.00
28	AMERICAN WAR OF INDEPENDENCE	NP + of fragment	0.07	100	28	BY THE PEOPLE FOR	Other PP fragment	0.09	75.00
29	THE COUNCIL OF TRENT	NP + of fragment	0.07	100	29	TO MAKE SURE THAT	(V/Adj +) to-clause fragment	0.09	75.00
30	THE LEADERS OF THE	NP + of fragment	0.07	100	30	A MEMBER OF A	NP + of fragment	0.08	100.00

31	BY THE END OF	PP with embedded of-phrase fragment	0.07	100	31	THE UNIVERSAL DECLARATION OF	NP + of fragment	0.08	75.00
32	FIND OUT ABOUT THE	Transitive V + PP fragment	0.07	100	32	CONVENTION ON THE RIGHTS	NP + PP fragment clause	0.08	100.00
33	AT THE BEGINNING OF	PP with embedded of-phrase fragment	0.07	100	33	OF THE EUROPEAN PARLIAMENT	Other PP fragment	0.08	75.00
34	IN THE EARLY TWENTIETH	Other PP fragment	0.07	75	34	OF THE UNITED NATIONS	Other PP fragment	0.08	100.00
35	OF THE UNITED STATES	Other PP fragment	0.07	75	35	PEOPLE IN THE COMMUNITY	NP + PP fragment clause	0.08	100.00
36	THE AMERICAN WAR OF	NP + of fragment	0.06	100	36	AS A RESULT OF	PP with embedded of-phrase fragment	0.08	100.00
37	A GREAT DEAL OF	NP + of fragment	0.06	75	37	WRITE A LETTER TO	Transitive V + NP fragment	0.08	100.00
38	THE ANGLO IRISH AGREEMENT	NP	0.06	75	38	FIND OUT ABOUT THE	VP fragment	0.08	100.00
39	THE ANGLO IRISH TREATY	NP	0.06	100	39	MINISTER FOR THE ENVIRONMENT	NP + Post-nominal clause fragment	0.08	75.00
40	AT THE SAME TIME	Other PP fragment	0.06	100	40	REASONS FOR YOUR ANSWER	NP + Post-nominal clause fragment	0.08	75.00
41	OUT ABOUT THE PAST	Other PP fragment	0.06	75	41	CARRY OUT A SURVEY	Transitive V + NP	0.08	100.00
42	UNITED STATES OF AMERICA	NP + of fragment	0.06	100	42	COURSE WORK ASSESSMENT BOOK	NP	0.07	75.00
43	OF THE SOVIET UNION	Other PP fragment	0.06	75	43	MAKE A LIST OF	Transitive V + NP fragment	0.07	100.00
44	HEAD OF THE CHURCH	NP + of fragment	0.05	100	44	EVERYONE HAS THE RIGHT	N+VP	0.07	75.00
45	ONE OF THE MOST	NP + of fragment	0.05	100	45	A GROUP OF PEOPLE	NP + of fragment	0.07	75.00
46	THE REST OF THE	NP + of fragment	0.05	75	46	THE COUNCIL OF MINISTERS	NP + of fragment	0.07	75.00
47	THE TREATY OF ROME	NP + of fragment	0.05	75	47	THE COUNCIL OF THE	NP + of fragment	0.07	75.00
48	THE UNITED STATES OF	NP + of fragment	0.05	100	48	TALK TO YOUR CLASS	NP + Post-nominal clause fragment	0.07	75.00
49	DURING THE TWENTIETH CENTURY	Other PP fragment	0.05	75	49	AT THE END OF	PP with embedded of-phrase fragment	0.07	100.00
50	WAS THE MOST IMPORTANT	Copula be + AdjP	0.05	100	50	A LIST OF THE	NP + of fragment	0.06	100.00
51	THE AGE OF EXPLORATION	NP + of fragment	0.05	75	51	THE RIGHTS OF OTHERS	NP + of fragment	0.06	75.00
52	THE CENTRE OF THE	NP + of fragment	0.05	100	52	A REPORT ON AN	NP + PP fragment clause	0.06	100.00
53	THE LEADER OF THE	NP + of fragment	0.05	75	53	THE CLASS INTO GROUPS	NP + PP fragment clause	0.06	75.00
54	THE MIDDLE OF THE	NP + of fragment	0.05	75	54	FOR THE FIRST TIME	Other PP fragment	0.06	100.00
55	THE RESULTS OF THE	NP + of fragment	0.05	75	55	ACTION PROJECT WAS BASED	Passive verb + PP fragment	0.06	75.00
56	OF THE UNITED IRISHMEN	Other PP fragment	0.05	75	56	DO YOU THINK IS	yes-no question fragment	0.06	100.00
57	OF WORLD WAR I	Other PP fragment	0.05	100	57	DO YOU THINK THAT	yes-no question fragment	0.06	75.00
58	BECAME KNOWN AS THE	Passive verb + PP fragment	0.05	75	58	THE REPUBLIC OF IRELAND	NP + of fragment	0.06	100.00
59	WAS ONE OF THE	Copula be + AdjP	0.05	100	59	THE REST OF THE	NP + of fragment	0.06	100.00
60	A MEMBER OF THE	NP + of fragment	0.05	100	60	UP A LIST OF	NP + of fragment	0.06	75.00
61	THE BATTLE OF BRITAIN	NP + of fragment	0.05	100	61	STUDENTS IN MY CLASS	NP + PP fragment clause	0.06	75.00
62	THE OATH OF ALLEGIANCE	NP + of fragment	0.05	100	62	THE ANSWERS TO THE	NP + Post-nominal clause fragment	0.06	100.00
63	OF THE MIDDLE AGES	Other PP fragment	0.05	75	63	YOUR ACTION PROJECT AND	NP fragment	0.06	75.00

64	THE CUBAN MISSILE CRISIS	NP	0.05	100
65	THE NINE YEARS WAR	NP	0.05	75
66	THE USA AND THE	NP	0.05	100
67	AT THE BATTLE OF	PP with embedded of-phrase fragment	0.05	75
68	OF ONE OF THE	PP with embedded of-phrase fragment	0.05	75
69	DURING THE INDUSTRIAL REVOLUTION	Other PP fragment	0.05	100
70	ONE OF THE FOLLOWING	NP + of fragment	0.04	75
71	THE ACT OF UNION	NP + of fragment	0.04	100
72	THE GOVERNMENT OF IRELAND	NP + of fragment	0.04	100
73	THE PLANTATION OF ULSTER	NP + of fragment	0.04	75
74	THE REIGN OF TERROR	NP + of fragment	0.04	100
75	THE NAZI SOVIET PACT	NP	0.04	75
76	WITH THE HELP OF	PP with embedded of-phrase fragment	0.04	100
77	IN WORLD WAR I	Other PP fragment	0.04	100
78	GIVE ONE REASON WHY	Transitive V + NP fragment	0.04	75
79	GOVERNMENT OF IRELAND ACT	NP + of fragment	0.04	100
80	THE POWER OF THE	NP + of fragment	0.04	75
81	THE IRISH CITIZEN ARMY	NP	0.04	100
82	FOR THE FIRST TIME	Other PP fragment	0.04	100
83	IN IRELAND DURING THE	Other PP fragment	0.04	75
84	OF THE FRENCH REVOLUTION	Other PP fragment	0.04	100
85	OF THE NINETEENTH CENTURY	Other PP fragment	0.04	100
86	OF THE UNITED KINGDOM	Other PP fragment	0.04	100

64	ABOUT THE WORK OF	PP with embedded of-phrase fragment	0.06	100.00
65	IN THE DEVELOPING WORLD	Other PP fragment	0.06	75.00
66	OF HUMAN RIGHTS AND	Other PP fragment	0.06	100.00
67	UNDERTAKEN AS PART OF	Passive verb + PP fragment	0.06	75.00
68	YOUR ACTION PROJECT WAS	NP+verb	0.06	75.00
69	PARTS OF THE WORLD	NP + of fragment	0.05	100.00
70	THE PEOPLE OF THE	NP + of fragment	0.05	100.00
71	ENVIRONMENT AND LOCAL GOVERNMENT	NP	0.05	75.00
72	CAN BE FOUND IN	Passive verb + PP fragment	0.05	75.00
73	TO PROTECT THE ENVIRONMENT	(V/Adj +) to-clause fragment	0.05	75.00
74	TO TAKE PART IN	(V/Adj +) to-clause fragment	0.05	100.00
75	CAN YOU THINK OF	yes-no question fragment	0.05	100.00
76	OTHER PARTS OF THE	NP + of fragment	0.05	75.00
77	THE NAME OF THE	NP + of fragment	0.05	75.00
78	THE SUBJECT OF THE	NP + of fragment	0.05	75.00
79	THE UN CONVENTION ON	NP + PP fragment clause	0.05	75.00
80	UN CONVENTION ON THE	NP + PP fragment clause	0.05	75.00
81	PERMISSION FROM THE PRINCIPAL	NP + Post-nominal clause fragment	0.05	75.00
82	THE RIGHT TO BE	NP + Post-nominal clause fragment	0.05	75.00
83	THE RIGHT TO FREEDOM	NP + Post-nominal clause fragment	0.05	75.00
84	IN YOUR SCHOOL TO	Other PP fragment	0.05	75.00
85	INVOLVED IN THE ACTION	Passive verb + PP fragment	0.05	75.00
86	ANSWER THE FOLLOWING QUESTIONS	Transitive V + NP	0.05	75.00
87	DRAW UP A LIST	Transitive V + NP	0.05	75.00
88	GIVE ONE REASON WHY	Transitive V + NP fragment	0.05	75.00
89	GIVE REASONS FOR YOUR	Transitive V + NP fragment	0.05	75.00
90	ALL OVER THE WORLD	Other PP fragment	0.05	75.00
91	DECISIONS MADE BY THE	N+passive VP	0.05	75.00
92	HOW DO YOU THINK	WH-question fragment	0.05	75.00
93	A WIDE RANGE OF	NP + of fragment	0.04	100.00
94	COUNCIL OF THE EUROPEAN	NP + of fragment	0.04	75.00
95	DEPARTMENT OF THE ENVIRONMENT	NP + of fragment	0.04	100.00
96	MEMBERS OF THE EUROPEAN	NP + of fragment	0.04	75.00

97	THE DEPARTMENT OF THE	NP + of fragment	0.04	100.00
98	THE END OF THE	NP + of fragment	0.04	100.00
99	THE NUMBER OF PEOPLE	NP + of fragment	0.04	100.00
100	THE PRESIDENCY OF THE	NP + of fragment	0.04	75.00
101	THE TOP OF THE	NP + of fragment	0.04	75.00
102	RIGHT TO FREEDOM OF	NP + Post-nominal clause fragment	0.04	75.00
103	SOUTH DUBLIN COUNTY COUNCIL	NP	0.04	75.00
104	THE GOVERNMENT AND THE	NP fragment	0.04	100.00
105	THE ENVIRONMENT AND LOCAL	NP fragment	0.04	75.00
106	FOR THE RIGHTS OF	PP with embedded of-phrase fragment	0.04	75.00
107	IN THE ACTION PROJECT	Other PP fragment	0.04	75.00
108	OF MY ACTION PROJECT	Other PP fragment	0.04	75.00
109	OF THE DEFENCE FORCES	Other PP fragment	0.04	75.00
110	ON THE ACTION PROJECT	Other PP fragment	0.04	75.00
111	IS ONE OF THE	Copula be + AdjP	0.04	100.00
112	TO FIND OUT WHAT	(V/Adj +) to-clause fragment	0.04	75.00
113	TO RAISE AWARENESS OF	(V/Adj +) to-clause fragment	0.04	75.00
114	ANSWER THE QUESTIONS BELOW	Transitive V + NP	0.04	75.00
115	GET PERMISSION FROM THE	Transitive V + NP fragment	0.04	75.00
116	HAVE A RESPONSIBILITY TO	Transitive V + NP fragment	0.04	75.00
117	HAVE A RIGHT TO	Transitive V + NP fragment	0.04	75.00

MATHEMATICS TEXTBOOKS CORPUS					SCIENCE TEXTBOOKS CORPUS				
N	4-word cluster	Structure	F‰	R%	N	4-word cluster	Structure	F‰	R%
1	EACH OF THE FOLLOWING	NP + of fragment	0.74	100.00	1	SHOWN IN THE DIAGRAM	Passive verb + PP fragment	0.33	100
2	FIND THE VALUE OF	Transitive V + NP fragment	0.64	75.00	2	AS SHOWN iN THE	Passive verb + PP fragment	0.29	100
3	THE VALUES OF X	NP + of fragment	0.45	75.00	3	SET UP THE APPARATUS	Transitive V + NP fragment	0.24	100
4	VALUES OF X FOR	NP + of fragment	0.44	75.00	4	THE APPARATUS AS SHOWN	NP+passive VP	0.20	100
5	THE AREA OF THE	NP + of fragment	0.43	100.00	5	IS MADE UP OF	Passive verb + PP fragment	0.14	100
6	THE VALUE OF X	NP + of fragment	0.38	75.00	6	CAN BE USED TO	Passive verb + PP fragment	0.14	100
7	THE EQUATION OF THE	NP + of fragment	0.29	100.00	7	WHAT IS MEANT BY	WH-question fragment	0.14	75
8	FIND THE IMAGE OF	Transitive V + NP fragment	0.29	100.00	8	THE BOTTOM OF THE	NP + of fragment	0.13	100
9	AT THE END OF	PP with embedded of-phrase fragment	0.28	100.00	9	THE CENTRE OF GRAVITY	NP + of fragment	0.12	100
10	FIND THE EQUATION OF	Transitive V + NP fragment	0.25	100.00	10	A FORM OF ENERGY	NP + of fragment	0.12	100
11	OF X FOR WHICH	Other PP fragment	0.23	75.00	11	FOR THE PRESENCE OF	PP with embedded of-phrase fragment	0.12	100
12	DIVIDE BOTH SIDES BY	Transitive V + NP fragment	0.23	75.00	12	A SMALL AMOUNT OF	NP + of fragment	0.11	100
13	CORRECT TO THE NEAREST	Intransitive V + PP fragment	0.23	100.00	13	IS A FORM OF	Copula be + NP	0.11	100
14	STANDARD RATE CUT OFF	NP	0.22	75.00	14	EXPERIMENT TO SHOW THAT	(V/Adj +) to-clause fragment	0.11	100
15	EQUATION OF THE LINE	NP + of fragment	0.21	75.00	15	THE MASS OF THE	NP + of fragment	0.11	100
16	THE LENGTH OF THE	NP + of fragment	0.21	100.00	16	CARBON DIOXIDE AND WATER	NP	0.10	75
17	THE RADIUS OF THE	NP + of fragment	0.21	100.00	17	THE BOILING POINT OF	NP + of fragment	0.10	100
18	AXIAL SYMMETRY IN THE	NP + PP fragment clause	0.20	100.00	18	THE DENSITY OF A	NP + of fragment	0.10	100
19	THE END OF THE	NP + of fragment	0.19	100.00	19	THE TOP OF THE	NP + of fragment	0.09	100
20	THE VOLUME OF THE	NP + of fragment	0.19	100.00	20	FIND THE MASS OF	Transitive V + NP fragment	0.09	100
21	THE IMAGE OF THE	NP + of fragment	0.18	100.00	21	THE SURFACE OF THE	NP + of fragment	0.09	100
22	AN EQUATION IN X	NP + PP fragment clause	0.17	75.00	22	THE TEMPERATURE OF THE	NP + of fragment	0.09	100
23	THE HEIGHT OF THE	NP + of fragment	0.16	100.00	23	FIND THE DENSITY OF	Transitive V + NP fragment	0.09	100
24	AS A PERCENTAGE OF	PP with embedded of-phrase fragment	0.16	75.00	24	SET UP THE CIRCUIT	Transitive V + NP fragment	0.09	75
25	FIND THE VALUES OF	Transitive V + NP fragment	0.16	75.00	25	THE VOLUME OF A	NP + of fragment	0.09	100
26	AN AVERAGE SPEED OF	NP + of fragment	0.16	75.00	26	TO FIND THE DENSITY	(V/Adj +) to-clause fragment	0.09	100
27	AT AN AVERAGE SPEED	Other PP fragment	0.15	75.00	27	BOILING POINT OF WATER	NP + of fragment	0.08	100
28	THE MEAN OF THE	NP + of fragment	0.15	100.00	28	A FEW DROPS OF	NP + of fragment	0.08	75
29	CALCULATE THE AREA OF	Transitive V + NP fragment	0.14	100.00	29	IN THE FORM OF	PP with embedded of-phrase fragment	0.08	75
30	THE CENTRE OF THE	NP + of fragment	0.14	100.00	30	THE WATER IN THE	NP + PP fragment clause	0.08	100
31	THE POINT OF INTERSECTION	NP + of fragment	0.14	100.00	31	TO TEST FOR THE	(V/Adj +) to-clause fragment	0.08	100
32	IS THE IMAGE OF	Copula be + NP	0.13	75.00	32	THE NORTH POLE OF	NP + of fragment	0.07	100

33	FIND THE AREA OF	Transitive V + NP fragment	0.13	100.00	33	THE POSITION OF THE	NP + of fragment	0.07	75
34	IN THE FORM A	Other PP fragment	0.13	100.00	34	IN THE TEST TUBE	Other PP fragment	0.07	100
35	TO TWO DECIMAL PLACES	Other PP fragment	0.13	100.00	35	IS A MIXTURE OF	Copula be + NP	0.07	100
36	IS ON THE LINE	copula be+PP	0.12	100.00	36	TEST FOR THE PRESENCE	Intransitive V + PP fragment	0.07	75
37	CORRECT TO TWO DECIMAL	Intransitive V + PP fragment	0.12	100.00	37	OF AN OBJECT IS	PP+copula be	0.07	100
38	IS ON THE LINE	Intransitive V + PP fragment	0.12	100.00	38	TEMPERATURE OF THE WATER	NP + of fragment	0.07	100
39	CENTRE OF THE CIRCLE	NP + of fragment	0.12	100.00	39	THE FORCE OF GRAVITY	NP + of fragment	0.07	100
40	A RIGHT ANGLED TRIANGLE	NP	0.12	75.00	40	AT THE END OF	PP with embedded of-phrase fragment	0.07	100
41	IN EACH OF THE	PP with embedded of-phrase fragment	0.12	100.00	41	IN ONE DIRECTION ONLY	Other PP fragment	0.07	100
42	FIND THE SLOPE OF	Transitive V + NP fragment	0.12	100.00	42	WHAT HAPPENS TO THE	WH-question (15) /clause (8 occurrences) fragment	0.07	100
43	THE VOLUME OF A	NP + of fragment	0.11	100.00	43	OXYGEN IN THE AIR	NP + Post-nominal clause fragment	0.07	100
44	AN AXIAL SYMMETRY IN	NP + PP fragment clause	0.11	100.00	44	BLUE COBALT CHLORIDE PAPER	NP	0.07	100
45	SYMMETRY IN THE LINE	NP + PP fragment clause	0.11	100.00	45	IN A TEST TUBE	Other PP fragment	0.07	100
46	THE SUM OF THE	NP + of fragment	0.11	75.00	46	WITH THE AID OF	Other PP fragment	0.07	100
47	ANSWER IN THE FORM	NP + PP fragment clause	0.11	100.00	47	DESCRIBE WITH THE AID	Intransitive V + PP fragment	0.07	75
48	ANSWER IN THE FORM	NP + PP fragment clause	0.11	100.00	48	AN OBJECT IS THE	NP+VP fragment	0.07	100
49	YOUR ANSWER IN THE	NP + PP fragment clause	0.11	100.00	49	A SMALL PIECE OF	NP + of fragment	0.06	100
50	IF THE AREA OF	If-clause fragment	0.11	75.00	50	CENTRE OF GRAVITY OF	NP + of fragment	0.06	100
51	USE YOUR GRAPH TO	Transitive V + NP fragment	0.10	75.00	51	ITS CENTRE OF GRAVITY	NP + of fragment	0.06	75
52	AREA OF THE RECTANGLE	NP + of fragment	0.10	100.00	52	FOR A FEW DAYS	Other PP fragment	0.06	75
53	IN TERMS OF N	PP with embedded of-phrase fragment	0.10	100.00	53	IS SAID TO BE	Passive verb + PP fragment	0.06	100
54	IN X AND Y	Other PP fragment	0.10	100.00	54	HEATED AND CONTRACT WHEN	Transitive V + NP fragment	0.06	100
55	STANDARD RATE OF TAX	NP + of fragment	0.10	75.00	55	HEATED AND CONTRACT WHEN	Intransitive V + PP fragment	0.06	100
56	DRAW THE GRAPH OF	Transitive V + NP fragment	0.10	75.00	56	TRAVELS IN STRAIGHT LINES	Intransitive V + PP fragment	0.06	100
57	A CENTRAL SYMMETRY IN	NP + PP fragment clause	0.10	100.00	57	THE VOLUME OF THE	NP + of fragment	0.06	100
58	A TAX CREDIT OF	NP + of fragment	0.09	75.00	58	AT THE TOP OF	PP with embedded of-phrase fragment	0.06	100
59	IS THE CENTRE OF	Copula be + NP	0.09	100.00	59	ARE MADE UP OF	Passive verb + PP fragment	0.06	100
60	THE AREA OF A	NP + of fragment	0.09	100.00	60	IT IS MEASURED IN	Passive verb + PP fragment	0.06	75
61	ON THE X AXIS	Other PP fragment	0.09	100.00	61	USED TO MEASURE THE	Passive verb + PP fragment	0.06	100
62	POINT OF INTERSECTION OF	NP + of fragment	0.09	100.00	62	TO SHOW THAT WATER	(V/Adj +) to-clause fragment	0.06	100
63	THE AXIS OF SYMMETRY	NP + of fragment	0.09	100.00	63	MAKE THEIR OWN FOOD	Transitive V + NP fragment	0.06	100
64	A PERCENTAGE OF THE	NP + of fragment	0.08	75.00	64	EXPAND WHEN HEATED AND	Intransitive V + PP fragment	0.06	100
65	AREA OF THE TRIANGLE	NP + of fragment	0.08	100.00	65	THE CIRCUIT AS SHOWN	NP+passive VP	0.06	75

66	THE X AXIS AT	NP + PP fragment clause	0.08	100.00	66	WHEN HEATED AND CONTRACT	WH-clause fragment	0.06	100
67	ON THE Y AXIS	Other PP fragment	0.08	100.00	67	THE CENTRE OF THE	NP + of fragment	0.06	75
68	TO ONE DECIMAL PLACE	Other PP fragment	0.08	100.00	68	THE REST OF THE	NP + of fragment	0.06	75
69	CUTS THE X AXIS	Transitive V + NP	0.08	100.00	69	THE TRANSFER OF HEAT	NP + of fragment	0.06	75
70	CORRECT TO ONE DECIMAL	Intransitive V + PP fragment	0.08	100.00	70	IS USED TO MEASURE	Passive verb + PP fragment	0.06	100
71	SURFACE AREA OF A	NP + of fragment	0.08	75.00	71	TO DEMONSTRATE THE EFFECT	(V/Adj +) to-clause fragment	0.06	75
72	THE Y AXIS AT	NP + PP fragment clause	0.08	100.00	72	DEMONSTRATE THE EFFECT OF	Transitive V + NP fragment	0.06	75
73	RATE OF TAX IS	NP+verb	0.08	100.00	73	FIND THE VOLUME OF	Transitive V + NP fragment	0.06	75
74	THE NUMBER OF PEOPLE	NP + of fragment	0.08	75.00	74	AND CONTRACT WHEN COOLED	Intransitive V + PP fragment	0.06	100
75	EQUATION IN X TO	NP + PP fragment clause	0.08	75.00	75	LIGHT TRAVELS IN STRAIGHT	Intransitive V + PP fragment	0.06	100
76	ON THE NUMBER LINE	Other PP fragment	0.08	100.00	76	CENTRE OF GRAVITY IS	NP+verb	0.06	100
77	THE SHAPE OF A	NP + of fragment	0.07	75.00	77	LAW OF THE LEVER	NP + of fragment	0.05	100
78	A STANDARD RATE CUT	NP	0.07	75.00	78	THE WALLS OF THE	NP + of fragment	0.05	100
79	AMOUNT OF TAX PAID	NP + of fragment	0.07	75.00	79	AT THE BOTTOM OF	PP with embedded of-phrase fragment	0.05	100
80	THE MAXIMUM VALUE OF	NP + of fragment	0.07	100.00	80	INTO A TEST TUBE	Other PP fragment	0.05	100
81	EQUATION IN X AND	NP + PP fragment clause	0.07	100.00	81	OF THE PERIODIC TABLE	Other PP fragment	0.05	75
82	UNDER AN AXIAL SYMMETRY	Other PP fragment	0.07	100.00	82	DESCRIBE HOW YOU WOULD	Intransitive V + PP fragment	0.05	75
83	IN X TO REPRESENT	Other PP fragment	0.07	75.00	83	THE END OF THE	NP + of fragment	0.05	100
84	IS EQUAL TO THE	Copula be + AdjP	0.07	75.00	84	IN THE SAME WAY	Other PP fragment	0.05	100
85	CURVED SURFACE AREA OF	NP + of fragment	0.07	75.00	85	OF THE TEST TUBE	Other PP fragment	0.05	75
86	THE LENGTHS OF THE	NP + of fragment	0.07	75.00	86	AN EXPERIMENT TO SHOW	(V/Adj +) to-clause fragment	0.05	100
87	THE NUMBER OF PUPILS	NP + of fragment	0.07	75.00	87	THE PRESENCE OF STARCH	NP + of fragment	0.05	75
88	THE TOTAL NUMBER OF	NP + of fragment	0.07	75.00	88	THE WEIGHT OF THE	NP + of fragment	0.05	100
89	GROSS YEARLY INCOME OF	NP + of fragment	0.07	75.00	89	BY MEANS OF A	PP with embedded of-phrase fragment	0.05	100
90	A GROSS YEARLY INCOME	NP	0.07	75.00	90	IN A WARM PLACE	Other PP fragment	0.05	100
91	AND THE Y AXIS	NP	0.07	100.00	91	IS CONNECTED TO THE	Passive verb + PP fragment	0.05	75
92	IN THE SHAPE OF	PP with embedded of-phrase fragment	0.07	75.00	92	IS AN EXAMPLE OF	Copula be + NP	0.05	75
93	IN A RIGHT ANGLED	Other PP fragment	0.07	75.00	93	EXPERIMENT TO SHOW THE	(V/Adj +) to-clause fragment	0.05	100
94	CALCULATE THE HEIGHT OF	Transitive V + NP fragment	0.07	100.00	94	THAT LIGHT TRAVELS IN	that-clause fragment	0.05	100
95	THE PERPENDICULAR BISECTOR OF	NP + of fragment	0.07	100.00	95	GAS JAR OF OXYGEN	NP + of fragment	0.05	75
96	IS THE MIDPOINT OF	Copula be + NP	0.07	75.00	96	THE LAW OF THE	NP + of fragment	0.05	100
97	THE DIAGRAM SHOWS A	N+VP fragment	0.07	100.00	97	MAGNETIC FIELD AROUND A	NP + PP fragment clause	0.05	75
98	EQUATION OF A LINE	NP + of fragment	0.06	100.00	98	THE MAGNETIC FIELD AROUND	NP + PP fragment clause	0.05	75

99	FOR X AND Y	Other PP fragment	0.06	100.00	99	THE TEMPERATURE AT WHICH	NP + PP fragment clause	0.05	75
100	ARE EQUAL IN MEASURE	Copula be + AdjP	0.06	100.00	100	ENERGY FROM THE SUN	NP + Post-nominal clause fragment	0.05	75
101	SOLVE FOR X AND	Intransitive V + PP fragment	0.06	100.00	101	TO SHOW THAT AIR	(V/Adj +) to-clause fragment	0.05	100
102	THE LENGTH OF A	NP + of fragment	0.06	100.00	102	ADD A FEW DROPS	Transitive V + NP fragment	0.05	75
103	THE MIDPOINT OF AB	NP + of fragment	0.06	75.00	103	DESCRIBE AN EXPERIMENT TO	Transitive V + NP fragment	0.05	75
104	THE SLOPE OF THE	NP + of fragment	0.06	100.00	104	THE DENSITY OF WATER	NP + of fragment	0.04	100
105	THE RIGHT HAND SIDE	NP	0.06	75.00	105	THE DIRECTION OF THE	NP + of fragment	0.04	100
106	WE ARE GIVEN THE	Passive verb + PP fragment	0.06	100.00	106	THE FUNCTION OF THE	NP + of fragment	0.04	100
107	HAS A STANDARD RATE	Transitive V + NP fragment	0.06	75.00	107	THE MASS OF AN	NP + of fragment	0.04	75
108	TWICE AS MUCH AS	Comparative expression	0.06	75.00	108	THE MOUTH OF THE	NP + of fragment	0.04	100
109	THE AVERAGE SPEED OF	NP + of fragment	0.06	75.00	109	THE PARTS OF THE	NP + of fragment	0.04	75
110	THE SURFACE AREA OF	NP + of fragment	0.06	75.00	110	THE RESISTANCE OF THE	NP + of fragment	0.04	100
111	A POINT ON THE	NP + PP fragment clause	0.06	100.00	111	AN ACID OR A	NP + Post-nominal clause fragment	0.04	100
112	SYMMETRY IN THE POINT	NP + PP fragment clause	0.06	75.00	112	ONE FORM TO ANOTHER	NP + Post-nominal clause fragment	0.04	75
113	FOR THREE YEARS AT	Other PP fragment	0.06	75.00	113	ACID OR A BASE	N or N	0.04	100
114	UNDER A CENTRAL SYMMETRY	Other PP fragment	0.06	100.00	114	AT THE SAME TIME	Other PP fragment	0.04	75
115	CALCULATE THE LENGTH OF	Transitive V + NP fragment	0.06	75.00	115	FROM ONE FORM TO	Other PP fragment	0.04	75
116	CALCULATE THE VOLUME OF	Transitive V + NP fragment	0.06	100.00	116	OF WATER IN THE	Other PP fragment	0.04	100
117	OF A RECTANGLE IS	PP+copula be	0.06	100.00	117	IS EQUAL TO THE	Copula be + AdjP	0.04	100
118	AVERAGE SPEED OF THE	NP + of fragment	0.05	75.00	118	CURRENT TO FLOW IN	(V/Adj +) to-clause fragment	0.04	100
119	END OF THE SECOND	NP + of fragment	0.05	75.00	119	ENERGY TO HEAT ENERGY	(V/Adj +) to-clause fragment	0.04	75
120	EQUATION OF THE AXIS	NP + of fragment	0.05	100.00	120	MAKE A LIST OF	Transitive V + NP fragment	0.04	75
121	RADIUS OF THE CIRCLE	NP + of fragment	0.05	100.00	121	PLOT A GRAPH OF	Transitive V + NP fragment	0.04	100
122	SLOPE OF THE LINE	NP + of fragment	0.05	100.00	122	SHOW THE PRESENCE OF	Transitive V + NP fragment	0.04	75
123	THE AREA OF EACH	NP + of fragment	0.05	75.00	123	A BEAKER OF WATER	NP + of fragment	0.04	100
124	THE COST OF THE	NP + of fragment	0.05	100.00	124	ONE OF THE MOST	NP + of fragment	0.04	75
125	DIFFERENCE OF TWO SQUARES	NP + of fragment	0.05	75.00	125	THE HEATING EFFECT OF	NP + of fragment	0.04	75
126	KM AT AN AVERAGE	NP + PP fragment clause	0.05	75.00	126	THE MASS OF A	NP + of fragment	0.04	75
127	THE CURVED SURFACE AREA	NP	0.05	75.00	127	THE SIZE OF THE	NP + of fragment	0.04	75
128	THE HIGHEST COMMON FACTOR	NP	0.05	75.00	128	THE READING ON THE	NP + PP fragment clause	0.04	100
129	IN A CLASS OF	PP with embedded of-phrase fragment	0.05	100.00	129	ENERGY TO ELECTRICAL ENERGY	NP + Post-nominal clause fragment	0.04	100
130	OF THE AXIS OF	PP with embedded of-phrase fragment	0.05	100.00	130	DIOXIDE AND WATER VAPOUR	NP	0.04	75
131	IN THE GIVEN DIAGRAM	Other PP fragment	0.05	75.00	131	AND OUT OF THE	Other PP fragment	0.04	75
132	OF THE SECOND YEAR	Other PP fragment	0.05	75.00	132	IN ITS OUTER SHELL	Other PP fragment	0.04	75

133	OF THE THIRD YEAR	Other PP fragment	0.05	75.00
134	ON THE VERTICAL AXIS	Other PP fragment	0.05	75.00
135	CHANGE THE SIGN OF	Transitive V + NP fragment	0.05	100.00
136	CUTS THE Y AXIS	Transitive V + NP	0.05	100.00
137	FACTORISE EACH OF THE	Transitive V + NP fragment	0.05	75.00
138	SHOWS THE NUMBER OF	Transitive V + NP fragment	0.05	75.00
139	END OF THE THIRD	NP + of fragment	0.05	75.00
140	THE TOP OF THE	NP + of fragment	0.05	100.00
141	THE VALUE OF P	NP + of fragment	0.05	75.00
142	THE INTEREST RATE FOR	NP + Post-nominal clause fragment	0.05	100.00
143	ARE SHOWN IN THE	Passive verb + PP fragment	0.05	75.00
144	IS THE SAME AS	Copula be + AdjP	0.05	100.00
145	CALCULATE THE RADIUS OF	Transitive V + NP fragment	0.05	100.00
146	HAS A RADIUS OF	Transitive V + NP fragment	0.05	100.00
147	OF A NUMBER IS	PP+copula be	0.05	75.00
148	OF THE CIRCLE IS	PP+copula be	0.05	75.00
149	OF THE RECTANGLE IS	PP+copula be	0.05	100.00
150	THE RATE OF INTEREST	NP + of fragment	0.05	100.00
151	IN THE Y AXIS	Other PP fragment	0.05	75.00
152	ASKED TO FIND THE	Passive verb + PP fragment	0.05	100.00
153	IS SHOWN ON THE	Passive verb + PP fragment	0.05	75.00
154	CALCULATE THE COST OF	Transitive V + NP fragment	0.05	75.00
155	CONSTRUCT THE IMAGE OF	Transitive V + NP fragment	0.05	75.00
156	WRITE AN EQUATION IN	Transitive V + NP fragment	0.05	75.00
157	SURFACE AREA OF THE	NP + of fragment	0.04	75.00
158	VOLUME OF THE CYLINDER	NP + of fragment	0.04	100.00
159	POINT ON THE LINE	NP + PP fragment clause	0.04	100.00
160	ANGLE AT THE CENTRE	NP + PP fragment clause	0.04	75.00
161	IN ITS SIMPLEST FORM	Other PP fragment	0.04	100.00
162	IN THE X AXIS	Other PP fragment	0.04	75.00
163	TO THE NEAREST METRE	Other PP fragment	0.04	75.00
164	WE ARE ASKED TO	Passive verb + PP fragment	0.04	100.00
165	IS A PRIME NUMBER	Copula be + NP	0.04	75.00

133	IS CAUSED BY THE	Passive verb + PP fragment	0.04	75
134	IS ONE OF THE	Copula be + NP	0.04	75
135	IS THE FUNCTION OF	Copula be + NP	0.04	75
136	TO FLOW IN ONE	(V/Adj +) to-clause fragment	0.04	100
137	TO SHOW THE PRESENCE	(V/Adj +) to-clause fragment	0.04	75
138	FLOW IN ONE DIRECTION	Intransitive V + PP fragment	0.04	100
139	TO THE REST OF	PP with embedded of-phrase fragment	0.04	75
140	WHAT IS THE FUNCTION	WH-question fragment	0.04	75

166	CALCULATE THE AMOUNT OF	Transitive V + NP fragment	0.04	75.00
167	OF THE CYLINDER IS	PP+copula be	0.04	75.00
168	TWO TRIANGLES ARE CONGRUENT	NP+copula be+adj	0.04	100.00
169	THE AMOUNT OF MONEY	NP + of fragment	0.04	75.00
170	THE COST OF A	NP + of fragment	0.04	75.00
171	THE MEASURE OF THE	NP + of fragment	0.04	75.00
172	THE SIGN OF THE	NP + of fragment	0.04	75.00
173	THE SLOPE OF AB	NP + of fragment	0.04	75.00
174	SYMMETRY IN THE Y	NP + PP fragment clause	0.04	75.00
175	ON THE HORIZONTAL AXIS	Other PP fragment	0.04	100.00
176	AND USE IT TO	(V/Adj +) to-clause fragment	0.04	75.00
177	CALCULATE THE RATE OF	Transitive V + NP fragment	0.04	100.00
178	DIVIDE TOP AND BOTTOM	Transitive V + NP	0.04	75.00
179	WRITE TWO EQUATIONS IN	Transitive V + NP fragment	0.04	75.00
180	OF A CIRCLE IS	PP+copula be	0.04	100.00
181	CENTRE OF A CIRCLE	NP + of fragment	0.04	75.00
182	END OF THE YEAR	NP + of fragment	0.04	100.00
183	MAXIMUM VALUE OF F	NP + of fragment	0.04	100.00
184	NUMBER OF PEOPLE WHO	NP + of fragment	0.04	75.00
185	THE CENTRE OF A	NP + of fragment	0.04	75.00
186	THE END OF YEAR	NP + of fragment	0.04	75.00
187	THE PERIMETER OF THE	NP + of fragment	0.04	75.00
188	THE VALUE OF F	NP + of fragment	0.04	100.00
189	VOLUME OF THE BOX	NP + of fragment	0.04	100.00
190	EQUATIONS IN X AND	NP + PP fragment clause	0.04	100.00
191	NUMBER IN FRONT OF	NP + PP fragment clause	0.04	75.00
192	SYMMETRY IN THE X	NP + PP fragment clause	0.04	75.00
193	THE FOLLOWING IN THE	NP + PP fragment clause	0.04	75.00
194	TWO EQUATIONS IN X	NP + PP fragment clause	0.04	100.00
195	A FREQUENCY DISTRIBUTION TABLE	NP	0.04	100.00
196	THE OTHER TWO SIDES	NP	0.04	75.00
197	OF THE ANGLE AT	Other PP fragment	0.04	75.00
198	IT IS VERY IMPORTANT	Anticipatory it + AdjP	0.04	100.00
199	THE RESULTS ARE SHOWN	Passive verb + PP fragment	0.04	75.00

200	CALCULATE THE MEAN MARK	Transitive V + NP	0.04	100.00
201	DRAW A VENN DIAGRAM	Transitive V + NP	0.04	100.00
202	FIND THE NUMBER OF	Transitive V + NP fragment	0.04	75.00
203	HAS A VOLUME OF	Transitive V + NP fragment	0.04	75.00
204	USE THE GRAPH TO	Transitive V + NP fragment	0.04	100.00
205	THE DIAGRAM SHOWS THE	N+VP fragment	0.04	100.00
206	YOUR GRAPH TO ESTIMATE	NP+to-clause fragment	0.04	75.00

Appendix D2: The most frequent 4-word clusters in the six examinations corpora (minimum frequency 40 per million words, minimum range 60%) and their structural patterns (structural classification based on an adapted version of Biber et al.'s taxonomy of lexical bundles in academic prose, 1999: 997-1025).

ENGLISH EXAMINATIONS CORPUS					GEOGRAPHY EXAMINATIONS CORPUS				
N	4-word cluster	Structure	F‰	R%	N	4-word cluster	Structure	F‰	R%
1	THEN ANSWER THE QUESTIONS	VP+NP	1.20	100	1	TICK THE CORRECT BOX	VP+NP	5.94	100
2	REASONS FOR YOUR ANSWER	NP + PP	1.01	100	2	THE CORRECT BOX PAGE	NP	1.79	90
3	GIVE REASONS FOR YOUR	transitive V+NP fragment	1.01	100	3	THE ORDNANCE SURVEY MAP	NP	1.41	100
4	AND THEN ANSWER THE	(connector+) VP fragment	0.85	100	4	IN EACH OF THE	PP fragment	0.85	100
5	NOVEL OR SHORT STORY	N or N fragment	0.70	100	5	MARKS WILL BE LOST	N+passive VP	0.83	100
6	ONE OF THE FOLLOWING	NP + of fragment	0.62	100	6	OTHERWISE MARKS WILL BE	(adverb+) N+VP fragment	0.83	100
7	THE QUESTIONS WHICH FOLLOW	NP+WH-clause fragment	0.61	100	7	CIRCLE THE CORRECT ANSWER	V+NP	0.75	80
8	ANSWER THE QUESTIONS WHICH	VP+NP fragment	0.60	100	8	THE CORRECT BOX OR	NP fragment	0.73	100
9	TWO OF THE FOLLOWING	NP + of fragment	0.55	100	9	THE CORRECT ANSWER IN	NP fragment	0.68	80
10	WITH REFERENCE TO THE	PP fragment	0.55	90	10	WHICH OF THE FOLLOWING	WH-question fragment	0.64	80
11	ANSWER WITH REFERENCE TO	intransitive V+PP fragment	0.54	90	11	CORRECT ANSWER IN EACH	transitive VP+NP fragment	0.64	80
12	YOUR ANSWER WITH REFERENCE	NP + PP fragment clause	0.54	90	12	OF THE STATEMENTS BELOW	PP fragment	0.62	90
13	SHORT STORY YOU HAVE	NP+VP	0.43	100	13	WITH YOUR ANSWER BOOK	PP fragment	0.62	100
14	EACH QUESTION IS WORTH	NP+VP	0.38	100	14	ANSWER IN EACH OF	NP+post-modifier fragment	0.60	80
15	OF THE FOLLOWING QUESTIONS	PP fragment	0.38	100	15	EACH OF THE STATEMENTS	NP+of fragment	0.58	90
16	YOUR ANSWER BY REFERENCE	NP + PP fragment clause	0.37	80	16	OF THIS PAPER IS	PP+copula be	0.58	100
17	STORY YOU HAVE STUDIED	N+VP	0.37	100	17	ORDNANCE SURVEY MAP AND	NP fragment	0.56	90
18	THE NAME OF THE	NP + of fragment	0.35	100	18	A SKETCH MAP OF	NP+of fragment	0.54	90
19	OR SHORT STORY YOU	NP fragment	0.35	100	19	DRAW A SKETCH MAP	V+NP	0.54	90
20	ANSWER BY REFERENCE TO	intransitive V+PP fragment	0.34	80	20	SKETCH MAP OF THE	NP+of fragment	0.52	90
21	REFERENCE TO THE TEXT	NP + PP fragment clause	0.34	100	21	AT THE ORDNANCE SURVEY	PP fragment	0.52	100
22	A NOVEL OR SHORT	NP fragment	0.34	100	22	IN THE BOXES PROVIDED	PP fragment	0.52	100
23	ANSWER TWO OF THE	transitive V+NP fragment	0.34	100	23	ITS PAIR IN COLUMN	NP+post-modifier fragment	0.50	90
24	SUPPORT YOUR ANSWER BY	transitive V+NP fragment	0.33	80	24	OF ITS PAIR IN	PP fragment	0.50	90
25	ONE AND QUESTION TWO	NP fragment	0.32	100	25	AREA SHOWN ON THE	N+passive VP fragment	0.50	90
26	QUESTION ONE AND QUESTION	NP fragment	0.32	100	26	EACH OF THE FOLLOWING	NP+of fragment	0.48	70
27	ANSWER QUESTION ONE AND	transitive V+NP fragment	0.32	100	27	BEEN COMPLETED FOR YOU	passive VP fragment	0.48	80
28	EITHER A OR B	N or N fragment	0.31	100	28	HAS BEEN COMPLETED FOR	passive VP fragment	0.48	80
29	YOU MUST GIVE THE	2nd person pronoun+VP fragment	0.30	100	29	ONE PAIR HAS BEEN	NP+passive VP fragment	0.48	80
30	BY REFERENCE TO THE	PP fragment	0.30	80	30	NUMBER OF ITS PAIR	NP+of fragment	0.46	90

31	SUPPORT YOUR ANSWER WITH	transitive V+NP fragment	0.30	80
32	THE NOVEL OR SHORT	NP fragment	0.29	90
33	PICK ONLY ONE TOPIC	VP+NP	0.29	100
34	POEM YOU HAVE STUDIED	N+VP	0.28	90
35	FROM YOUR READING OF	PP fragment	0.28	80
36	AND ANSWER THE QUESTIONS	VP+NP	0.27	80
37	YOUR READING OF THE	NP + of fragment	0.26	80
38	THE ADVERTISEMENT ON PAGE	NP + PP fragment clause	0.26	90
39	EXPLAIN YOUR ANSWER WITH	transitive V+NP fragment	0.26	80
40	DO YOU THINK THE	yes-no question fragment	0.26	90
41	THE QUESTIONS THAT FOLLOW	(NP+) that-clause fragment	0.24	90
42	ANSWER ANY TWO OF	transitive V+NP fragment	0.24	100
43	ANSWER THE QUESTIONS THAT	transitive V+NP fragment	0.24	90
44	A REASON FOR YOUR	NP + PP fragment clause	0.23	80
45	EXTRACT IN EDITED FORM	NP + PP fragment clause	0.23	100
46	THE FOLLOWING EXTRACT IN	NP + PP fragment clause	0.23	100
47	GIVE A REASON FOR	transitive V+NP fragment	0.23	80
48	YOU HAVE STUDIED WHICH	VP fragment	0.23	90
49	ANY TWO OF THE	NP + of fragment	0.22	100
50	ON ONE OF THE	PP fragment	0.22	100
51	IN EDITED FORM IS	VP fragment	0.22	100
52	YOU MUST ALSO ANSWER	2nd person pronoun+VP fragment	0.21	100
53	YOU MUST ANSWER SECTIONS	2nd person pronoun+VP	0.21	100
54	YOU MUST ATTEMPT ALL	2nd person pronoun+VP fragment	0.21	100
55	FOLLOWING EXTRACT IN EDITED	NP + PP fragment clause	0.21	100
56	MINUTES ON EACH SECTION	NP + PP fragment clause	0.21	100
57	REASON FOR YOUR ANSWER	NP + PP fragment clause	0.21	80
58	SECTIONS ON THIS PAPER	NP + PP fragment clause	0.21	100
59	ANSWER ANY THREE OF	transitive V+NP fragment	0.21	100
60	READ THIS PIECE AND	VP fragment	0.21	100
61	MUST ALSO ANSWER ANY	VP fragment	0.21	100
62	THE TITLE OF THE	NP + of fragment	0.20	100
63	THIS PIECE AND THEN	NP + PP fragment clause	0.20	100
64	THIS POEM AND THEN	NP + PP fragment clause	0.20	100
65	FILM YOU HAVE STUDIED	N+VP	0.20	100
66	OF THE FOLLOWING TOPICS	PP fragment	0.20	100
67	READ THIS POEM AND	transitive V+NP fragment	0.20	100

31	THE NUMBER OF ITS	NP+of fragment	0.46	90
32	WITH THE NUMBER OF	PP fragment	0.46	90
33	PAIR HAS BEEN COMPLETED	passive VP fragment	0.44	60
34	BE SURE TO RETURN	(verb+) to-clause fragment	0.42	100
35	SURE TO RETURN THIS	(verb+) to-clause fragment	0.42	100
36	YOU MUST RETURN THIS	2nd person pronoun+VP fragment	0.42	100
37	AN EITHER OR CHOICE	NP	0.42	100
38	YOUR EXAMINATION NUMBER HERE	NP fragment	0.42	100
39	THIS FOLDER WITH YOUR	NP+post-modifier fragment	0.42	100
40	THIS PAPER WITH YOUR	NP+post-modifier fragment	0.42	100
41	THE AREA SHOWN ON	passive VP fragment	0.42	90
42	TO RETURN THIS FOLDER	to-clause fragment	0.42	100
43	WRITE YOUR EXAMINATION NUMBER	V+NP	0.42	100
44	RETURN THIS FOLDER WITH	V+NP fragment	0.42	100
45	RETURN THIS PAPER WITH	V+NP fragment	0.42	100
46	HAVE AN EITHER OR	VP fragment	0.42	100
47	MUST RETURN THIS PAPER	VP+NP	0.42	100
48	FOLDER WITH YOUR ANSWER	N+post-modifier fragment	0.42	90
49	ALL QUESTIONS TO BE	N+VP fragment	0.42	100
50	QUESTIONS TO BE ANSWERED	N+passive VP	0.42	100
51	WARNING YOU MUST RETURN	N+2nd person pronoun+VP fragment	0.42	100
52	EITHER OR CHOICE WITHIN	NP fragment	0.39	100
53	ORDNANCE SURVEY MAP SUPPLIED	NP+passive VP	0.39	60
54	PLEASE REMEMBER TO RETURN	(verb+) to-clause fragment	0.37	90
55	REMEMBER TO RETURN YOUR	(verb+) to-clause fragment	0.37	90
56	MAP OF THE AREA	NP+of fragment	0.37	90
57	SEPARATE FOLDER WHERE SPACES	NP+post-modifier fragment	0.37	90
58	FOLDER WITH YOUR ANSWERBOOK	NP+PP	0.37	80
59	A SEPARATE FOLDER WHERE	NP+PP fragment	0.37	90
60	ARE PROVIDED FOR YOUR	passive VP fragment	0.37	90
61	SPACES ARE PROVIDED FOR	passive VP fragment	0.37	90
62	OF THE AREA SHOWN	PP fragment	0.37	90
63	WHERE SPACES ARE PROVIDED	PP fragment	0.37	90
64	LOOK AT THE ORDNANCE	transitive VP+NP fragment	0.37	90
65	AND ANSWER THE QUESTIONS	VP+NP	0.37	70
66	FOLDER WHERE SPACES ARE	N+WH-clause fragment	0.37	90
67	PROVIDED FOR YOUR ANSWERS	passive V+PP fragment	0.37	90

68	YOU HAVE BEEN ASKED	VP with passive verb	0.20	60
69	YOU MAY NOT USE	2nd person pronoun+VP fragment	0.19	100
70	AND THE NAME OF	NP + of fragment	0.19	100
71	ANSWERS TO THE FOLLOWING	NP + PP fragment clause	0.19	100
72	AS THE BASIS FOR	NP + PP fragment clause	0.19	100
73	BASIS FOR YOUR ANSWER	NP + PP fragment clause	0.19	100
74	REFERENCE TO THE POEM	NP + PP fragment clause	0.19	70
75	THE BASIS FOR YOUR	NP + PP fragment clause	0.19	100
76	A POEM YOU HAVE	NP+VP	0.19	90
77	PLAY YOU HAVE STUDIED	N+VP	0.19	100
78	GIVE THE TITLE OF	transitive V+NP fragment	0.19	100
79	MAY NOT USE THE	VP fragment	0.19	100
80	IN ANSWERING YOU MAY	VP fragment	0.19	100
81	HAVE BEEN ASKED TO	VP with passive verb	0.19	60
82	MUST GIVE THE TITLE	modal VP+NP	0.19	100
83	FORM IS TAKEN FROM	VP with passive verb	0.18	100
84	REFERENCE TO THE EXTRACT	NP + PP fragment clause	0.17	60
85	A PLAY YOU HAVE	NP+VP	0.17	100
86	EDITED FORM IS TAKEN	VP with passive verb	0.17	100
87	ANY ONE OF THE	NP + of fragment	0.16	100
88	READ THE EXTRACT CAREFULLY	transitive V+NP+adverb	0.16	90
89	WHAT DO YOU THINK	WH-question fragment	0.16	80
90	HAVE STUDIED IN WHICH	VP fragment	0.15	80
91	ON EVIDENCE FROM THE	PP fragment	0.15	60
92	ANSWER ONE OF THE	transitive V+NP fragment	0.14	100
93	BACKGROUND TO THIS EXTRACT	N+post-modifier fragment	0.14	80
94	DO YOU THINK THAT	yes-no question fragment	0.14	80
95	READ CAREFULLY THE FOLLOWING	VP+NP fragment	0.14	100
96	WILL BE REWARDED FOR	passive VP fragment	0.14	90
97	WOULD YOU LIKE TO	yes-no question fragment	0.14	90
98	GIVE TWO REASONS FOR	transitive V+NP fragment	0.13	60
99	IN YOUR OWN WORDS	PP fragment	0.13	80
100	PLAY OR A FILM	N or N fragment	0.13	100

68	SURVEY MAP AND LEGEND	NP+N	0.35	70
69	STUDY THE ORDNANCE SURVEY	transitive VP+NP fragment	0.35	80
70	MATCH EACH OF THE	VP+NP fragment	0.35	60
71	MAP AND LEGEND KEY	N+NP	0.33	60
72	ANY THREE OF THE	NP+of fragment	0.33	90
73	OF THE FOLLOWING IS	PP+copula be	0.33	60
74	MARKS ANSWER THREE QUESTIONS	N+transitive V+NP	0.33	80
75	SHOWN IN THE DIAGRAM	passive VP fragment	0.31	60
76	OF THE FOLLOWING STATEMENTS	PP fragment	0.31	80
77	WITH YOUR ANSWERBOOK OTHERWISE	PP fragment	0.31	90
78	EXPLAIN TWO REASONS WHY	transitive VP+NP fragment	0.31	70
79	USING EVIDENCE FROM THE	transitive VP+NP fragment	0.31	70
80	THE CORRECT STATEMENTS ARE	NP+verb	0.31	90
81	THE BUILT UP AREA	NP	0.29	90
82	AN EXAMPLE OF A	NP+of fragment	0.29	70
83	BUILT UP AREA OF	NP+of fragment	0.29	90
84	SUPPLIED WITH THIS PAPER	passive VP fragment	0.29	70
85	WHICH ONE OF THE	WH-question fragment	0.29	70
86	PROVIDED MATCH EACH LETTER	passive V+transitive V+NP	0.29	70
87	EACH LETTER IN COLUMN	NP+post-modifier fragment	0.27	60
88	THAT YOU HAVE STUDIED	that-clause fragment	0.27	70
89	MATCH EACH LETTER IN	VP+NP fragment	0.27	60
90	THE AERIAL PHOTOGRAPH OF	NP+of fragment	0.25	80
91	THREE OF THE QUESTIONS	NP+of fragment	0.25	90
92	PROVIDED MATCH EACH OF	passive V+transitive V+NP fragment	0.25	60
93	IS AN EXAMPLE OF	VP fragment	0.23	70
94	ANSWER ANY THREE OF	VP+NP fragment	0.23	90
95	DEVELOPED AT THIS LOCATION	passive V+PP	0.23	70
96	GEOGRAPHICAL MIX ANSWER ANY	NP+VP fragment	0.23	90
97	IS AN EXAMPLE OF	copula be+NP fragment	0.23	70
98	ON THE ORDNANCE SURVEY	PP fragment	0.23	70
99	SHOWN ON THE MAP	passive verb+PP fragment	0.23	80
100	CIRCLE THE CORRECT OPTION	transitive VP+NP	0.21	40

HISTORY EXAMINATIONS CORPUS					CSPE EXAMINATIONS CORPUS				
N	**4-word cluster**	**Structure**	**F‰**	**R%**	**N**	**4-word cluster**	**Structure**	**F‰**	**R%**
1	GIVE TWO REASONS WHY	transitive V+NP fragment	1.27	100	1	PAGE YOU WILL READ	N+2nd person pronoun+VP fragment	1.28	90
2	TWO OF THE FOLLOWING	NP+of fragment	1.17	100	2	PRINTED ON A SEPARATE	passive VP fragment	1.28	90
3	ANSWER THE FOLLOWING QUESTIONS	transitive V+NP	1.10	100	3	WHEN YOU HAVE STUDIED	WH-clause fragment	1.28	90
4	WRITE AN ACCOUNT OF	transitive V+NP fragment	1.08	100	4	THE TOP OF THE	NP+of fragment	1.24	90
5	ONE OF THE FOLLOWING	NP+of fragment	1.01	100	5	TOP OF THE PAGE	NP+of fragment	1.24	90
6	GIVE ONE REASON WHY	transitive V+NP fragment	1.01	90	6	OF THE PAGE YOU	PP fragment	1.24	90
7	OF THE FOLLOWING TERMS	PP	0.95	100	7	ON THE TOP OF	PP fragment	1.24	90
8	AND THEN ANSWER THE	(connector+) VP fragment	0.86	100	8	ANSWER THE QUESTIONS BELOW	transitive V+NP fragment	1.20	80
9	THEN ANSWER THE FOLLOWING	(connector) transitive V+NP fragment	0.86	100	9	OF THE QUESTIONS NUMBERED	PP fragment	1.04	100
10	WRITE ABOUT THAT PERSON	transitive V+PP	0.86	100	10	YOU HAVE STUDIED THIS	2nd person pronoun+VP fragment	0.89	90
11	ONE OF THE PEOPLE	NP+of fragment	0.82	100	11	CLASS HAS DECIDED TO	N+VP fragment	0.77	80
12	THE PEOPLE DESCRIBED BELOW	NP+passive VP	0.82	100	12	YOUR CSPE CLASS COULD	NP+modal VP fragment	0.77	80
13	DURING THE MIDDLE AGES	PP	0.82	90	13	A BLANK PAGE FOR	NP+post-modifier fragment	0.73	60
14	OF THE PEOPLE DESCRIBED	PP	0.82	100	14	BLANK PAGE FOR THE	NP+post-modifier fragment	0.73	60
15	SELECT ONE OF THE	transitive V+NP fragment	0.82	100	15	YOUR CSPE CLASS HAS	NP+VP fragment	0.70	80
16	ACCOMPANY THIS PAPER AND	transitive V+NP	0.80	100	16	OF THIS ANSWER BOOK	PP	0.70	60
17	WHICH ACCOMPANY THIS PAPER	WH-clause fragment	0.80	100	17	THE BACK OF THIS	NP+of fragment	0.66	60
18	WITH YOUR ANSWER BOOK	PP	0.76	100	18	THE NAME OF THE	NP+of fragment	0.66	70
19	IS AN EXTRACT FROM	copula be+NP fragment	0.71	100	19	QUESTIONS IN THIS SECTION	NP+post-modifier fragment	0.66	100
20	ONE PIECE OF EVIDENCE	NP+of fragment	0.69	100	20	THE QUESTIONS IN THIS	NP+post-modifier fragment	0.66	100
21	IN YOUR ANSWER BOOK	PP	0.67	100	21	CSPE CLASS HAS DECIDED	NP+VP fragment	0.66	80
22	INTERNATIONAL RELATIONS IN THE	NP+post-modifier fragment	0.65	100	22	BEEN INCLUDED AT THE	passive VP fragment	0.66	60
23	OF THE FOLLOWING QUESTIONS	PP	0.65	100	23	HAS BEEN INCLUDED AT	passive VP fragment	0.66	60
24	GIVE ONE PIECE OF	transitive V+NP fragment	0.65	100	24	INCLUDED AT THE BACK	passive VP fragment	0.66	60
25	RELATIONS IN THE TWENTIETH	NP+post-modifier fragment	0.63	100	25	AT THE BACK OF	PP fragment	0.66	60
26	IN THE TWENTIETH CENTURY	PP	0.63	100	26	THAT YOUR CSPE CLASS	that-clause fragment	0.66	90
27	THIS IS AN EXTRACT	3rd person pronoun+VP fragment	0.58	100	27	ANY THREE OF THE	NP+of fragment	0.62	90
28	FOLLOWING TERMS RELATING TO	NP+post-modifier fragment	0.54	80	28	BACK OF THIS ANSWER	NP+of fragment	0.58	60
29	THE FOLLOWING TERMS RELATING	NP+post-modifier fragment	0.54	80	29	THREE OF THE QUESTIONS	NP+of fragment	0.58	90
30	WHY DO YOU THINK	WH-question fragment	0.52	90	30	ANSWER ANY THREE OF	transitive V+NP fragment	0.58	90
31	DURING THE AGE OF	PP fragment	0.50	90	31	CSPE CLASS COULD TAKE	NP+modal VP fragment	0.54	60
32	TWO REASONS WHY THE	NP+post-modifier fragment	0.47	90	32	PAGE FOR THE POSTER	NP+post-modifer fragment	0.54	60
33	AT THE TOP OF	PP fragment	0.45	100	33	A TICK IN THE	NP+post-modifier fragment	0.54	60
34	FROM YOUR STUDY OF	PP fragment	0.45	80	34	TICK IN THE BOX	NP+post-modifier fragment	0.54	60
35	IN IRELAND DURING THE	PP fragment	0.45	100	35	IN THE SPACES PROVIDED	PP fragment	0.54	100

36	SELECTED AT THE TOP	passive V+PP fragment	0.45	100	36	PUT A TICK IN	transitive V+NP fragment	0.54	60
37	HINTS TO HELP YOU	(noun+) to-clause fragment	0.43	100	37	EXTRA PAPER TO ANSWER	(noun+) to-clause fragment	0.46	100
38	THE HINTS TO HELP	(noun+) to-clause fragment	0.43	100	38	PAPER TO ANSWER THIS	(noun+) to-clause fragment	0.46	100
39	YOU MAY USE THE	2nd person pronoun+VP fragment	0.43	100	39	YOU NEED EXTRA PAPER	2nd person pronoun+VP fragment	0.46	100
40	YOU WISH YOU MAY	2nd person pronoun+VP fragment	0.43	100	40	IF YOU NEED EXTRA	If-clause fragment	0.46	100
41	IF YOU WISH YOU	If-clause fragment	0.43	100	41	THE EXAMINATION SUPERINTENDENT FOR	NP fragment	0.46	100
42	MAY USE THE HINTS	modal V+NP	0.43	100	42	ALL OF THE QUESTIONS	NP+of fragment	0.46	60
43	PAPER IN YOUR ANSWER	N+post-modifier fragment	0.43	100	43	ONE OF THE QUESTIONS	NP+of fragment	0.46	100
44	A SEPARATE ANSWER BOOK	NP	0.43	100	44	IN THE BOX ABOVE	PP	0.46	100
45	TEN OF THE FOLLOWING	NP+of fragment	0.43	100	45	OF THE QUESTIONS IN	PP fragment	0.46	60
46	THE AGE OF EXPLORATION	NP+of fragment	0.43	100	46	TO ANSWER THIS QUESTION	to-clause fragment	0.46	100
47	ONE REASON WHY THE	NP+post-modifier fragment	0.43	100	47	ASK THE EXAMINATION SUPERINTENDENT	transitive V+NP	0.46	100
48	THE TITLE SELECTED AT	NP+post-modifier fragment	0.43	100	48	ANSWER ALL OF THE	transitive V+NP fragment	0.46	60
49	THIS PAPER IN YOUR	NP+post-modifier fragment	0.43	100	49	ANSWER ONE OF THE	transitive V+NP fragment	0.46	100
50	TITLE SELECTED AT THE	NP+post-modifier fragment	0.43	100	50	ANSWER THIS QUESTION PLEASE	transitive V+NP	0.46	100
51	IN A SEPARATE ANSWER	PP	0.43	100	51	NEED EXTRA PAPER TO	transitive V+NP fragment	0.46	100
52	ON THE EXAMINATION PAPER	PP	0.43	100	52	PLEASE ASK THE EXAMINATION	transitive V+NP fragment	0.46	100
53	TO HELP YOU IN	to-clause fragment	0.43	100	53	EXAMINATION SUPERINTENDENT FOR IT	NP fragment	0.46	100
54	HELP YOU IN YOUR	transitive V+NP fragment	0.43	100	54	QUESTION PLEASE ASK THE	N+VP fragment	0.46	100
55	ANSWER A AND B	V+N+N	0.43	100	55	THIS QUESTION PLEASE ASK	N+VP fragment	0.46	100
56	ANSWER TEN OF THE	transitive V+NP fragment	0.43	100	56	CLASS COULD TAKE TO	N+modal VP fragment	0.43	60
57	PLEASE ENCLOSE THIS PAPER	transitive V+NP	0.43	100	57	MAKE SURE TO WRITE	(verb+) to-clause fragment	0.39	100
58	ENCLOSE THIS PAPER IN	transitive V+NP fragment	0.43	100	58	SURE TO WRITE YOUR	(verb+) to-clause fragment	0.39	100
59	USE THE HINTS TO	transitive V+NP fragment	0.43	100	59	YOU MAY USE EACH	2nd person pronoun+VP fragment	0.39	70
60	WRITE THE TITLE SELECTED	transitive V+NP	0.43	100	60	END OF PAGE TOTALS	NP+of fragment	0.39	100
61	MARKS ANSWER TEN OF	N+transitive V+NP fragment	0.43	100	61	END OF THE EXAMINATION	NP+of fragment	0.39	100
62	MARKS STUDY THE PICTURES	N+transitive V+NP	0.43	100	62	THE END OF THE	NP+of fragment	0.39	100
63	CENTRE STAMP EXAMINATION NUMBER	NP	0.41	100	63	TOTAL END OF PAGE	NP+of fragment	0.39	100
64	DURING THE INDUSTRIAL REVOLUTION	PP	0.41	90	64	TOTAL TOTAL END OF	NP+of fragment	0.39	100
65	IN TWENTIETH CENTURY IRELAND	PP	0.41	100	65	ALL QUESTIONS IN SECTION	NP+post-modifier fragment	0.39	100
66	OF ONE OF THE	PP fragment	0.41	90	66	ANSWERS IN THE SPACES	NP+post-modifier fragment	0.39	100
67	OF TWO OF THE	PP fragment	0.41	90	67	ANY ONE QUESTION IN	NP+post-modifier fragment	0.39	100
68	EXPLAIN ONE OF THE	transitive V+NP fragment	0.41	70	68	ANY THREE QUESTIONS IN	NP+post-modifier fragment	0.39	100
69	MUST RETURN THIS PAPER	modal V+NP	0.39	90	69	EXAMINATION NUMBER IN THE	NP+post-modifier fragment	0.39	100
70	YOU MUST RETURN THIS	modal V+NP	0.39	90	70	NUMBER IN THE BOX	NP+post-modifier fragment	0.39	100
71	PAPER WITH YOUR ANSWER	NP+post-modifier fragment	0.39	90	71	ONE QUESTION IN SECTION	NP+post-modifier fragment	0.39	100
72	THIS PAPER WITH YOUR	NP+post-modifier fragment	0.39	90	72	PAPER AT THE END	NP+post-modifier fragment	0.39	100
73	RETURN THIS PAPER WITH	transitive V+NP fragment	0.39	90	73	THIS PAPER AT THE	NP+post-modifier fragment	0.39	100

74	DO YOU THINK THAT	yes-not question fragment	0.39	60	74	THREE QUESTIONS IN SECTION	NP+post-modifier fragment	0.39	100
75	WARNING YOU MUST RETURN	N+2nd person pronoun+VP fragment	0.39	90	75	YOUR ANSWERS IN THE	NP+post-modifier fragment	0.39	100
76	THE TOP OF YOUR	NP+of fragment	0.37	100	76	YOUR EXAMINATION NUMBER IN	NP+post-modifier fragment	0.39	100
77	TOP OF YOUR ACCOUNT	NP+of fragment	0.37	100	77	AT THE END OF	PP fragment	0.39	100
78	PAGES WITH YOUR ANSWER	N+PP	0.37	90	78	FOR THE EXAMINER QUESTION	PP fragment	0.39	100
79	THESE PAGES WITH YOUR	NP+PP fragment	0.37	90	79	TO WRITE YOUR EXAMINATION	to-clause fragment	0.39	100
80	DO NOT INCLUDE THESE	transitive V+NP	0.37	90	80	WRITE YOUR EXAMINATION NUMBER	transitive V+NP	0.39	100
81	NOT INCLUDE THESE PAGES	transitive V+NP	0.37	90	81	WRITE YOUR ANSWERS IN	transitive V+NP fragment	0.39	100
82	INCLUDE THESE PAGES WITH	transitive V+NP fragment	0.37	90	82	HAND UP THIS PAPER	transitive V+NP	0.39	100
83	ACCOUNT OF TWO OF	NP+of fragment	0.35	90	83	ANSWER ALL QUESTIONS IN	transitive V+NP fragment	0.39	100
84	AN ACCOUNT OF ONE	NP+of fragment	0.35	90	84	ANSWER ANY ONE QUESTION	transitive V+NP fragment	0.39	100
85	AN ACCOUNT OF TWO	NP+of fragment	0.35	90	85	ANSWER ANY THREE QUESTIONS	transitive V+NP fragment	0.39	100
86	PIECE OF EVIDENCE FROM	NP+of fragment	0.35	80	86	MARKS ANSWER ANY ONE	N+VP fragment	0.39	100
87	PIECE OF EVIDENCE TO	NP+of fragment	0.35	80	87	MARKS ANSWER ANY THREE	N+VP fragment	0.39	100
88	OF EVIDENCE FROM THE	PP fragment	0.35	70	88	SOCIAL AND POLITICAL EDUCATION	NP	0.39	100
89	OF EVIDENCE TO SHOW	PP fragment	0.35	80	89	THE QUESTION FROM SECTION	NP+post-modifier fragment	0.35	90
90	EVIDENCE TO SHOW THAT	(noun+) to-clause fragment	0.32	70	90	THAT YOU ARE ANSWERING	that-clause fragment	0.35	90
91	ACCOUNT OF ONE OF	NP+of fragment	0.32	90	91	PLEASE TICK THE QUESTION	transitive V+NP	0.35	90
92	THE NAME OF ONE	NP+of fragment	0.32	70	92	TICK THE QUESTION FROM	transitive V+NP fragment	0.35	90
93	EXPLAIN TWO OF THE	transitive V+NP fragment	0.32	60	93	SET UP IN ORDER	VP fragment	0.35	60
94	TWO PIECES OF EVIDENCE	NP+of fragment	0.30	80	94	DESCRIBE TWO ACTIONS THAT	transitive V+NP fragment	0.31	60
95	GIVE TWO PIECES OF	transitive V+NP fragment	0.30	80	95	IT IS IMPORTANT FOR	anticipatory it+AdjP	0.31	60
96	AN EXTRACT FROM AN	NP+PP fragment	0.28	70	96	WHY IT IS IMPORTANT	WH-clause fragment	0.31	60
97	THE TIME OF THE	NP+of fragment	0.28	80	97	YOU HAVE STUDIED THE	passive VP fragment	0.31	60
98	AN ACCOUNT OF THE	NP+of fragment	0.26	70	98	OF THE CSPE COURSE	PP fragment	0.27	60
99	AN EXTRACT FROM A	NP+of fragment	0.26	70	99	A SHORT ARTICLE FOR	NP fragment	0.23	60
100	THAT YOU HAVE STUDIED	that-clause fragment	0.26	80	100	ARTICLE FOR YOUR SCHOOL	N+PP	0.23	60

MATHEMATICS EXAMINATIONS CORPUS					SCIENCE EXAMINATIONS CORPUS				
N	4-word cluster	Structure	F‰	R%	N	4-word cluster	Structure	F‰	R%
1	FIND THE VALUE OF	transitive V+NP fragment	1.48	100	1	FOR EXAMINER USE ONLY	PP fragment	3.15	100
2	THE AREA OF THE	NP+of fragment	1.30	100	2	THE LIST ON THE	NP+post-modifier fragment	1.95	100
3	SPACE FOR EXTRA WORK	NP+post-modifier fragment	0.94	80	3	LIST ON THE RIGHT	NP+post-modifier fragment	1.94	100
4	BE OBTAINED FROM THE	passive VP fragment	0.90	100	4	FROM THE LIST ON	PP fragment	1.94	100
5	OBTAINED FROM THE SUPERINTENDENT	passive VP fragment	0.90	100	5	SHOWN IN THE DIAGRAM	passive V+PP fragment	1.63	100
6	CORRECT TO THE NEAREST	VP fragment	0.87	100	6	THE DIAGRAM SHOWS A	NP+VP fragment	1.44	100
7	FOR EXTRA WORK PAGE	PP fragment	0.85	80	7	WITH THE AID OF	PP fragment	1.40	80
8	THE LENGTH OF THE	NP+of fragment	0.76	100	8	OF A LABELLED DIAGRAM	PP fragment	1.40	90
9	THE VOLUME OF THE	NP+of fragment	0.76	100	9	DESCRIBE WITH THE AID	VP+PP fragment	1.40	80
10	INDICATES THAT SUPPORTING WORK	(verb+) that-clause fragment	0.72	80	10	THE AID OF A	NP+of fragment	1.38	70
11	SYMBOL INDICATES THAT SUPPORTING	N+V+that-clause fragment	0.72	80	11	AID OF A LABELLED	NP+of fragment	1.30	70
12	THE SYMBOL INDICATES THAT	NP+V+that-clause fragment	0.72	80	12	ON THE RIGHT TO	PP fragment	1.06	90
13	WORK MUST BE SHOWN	N+modal V+passive VP fragment	0.72	80	13	THE DIAGRAM SHOWS THE	NP+VP fragment	1.02	100
14	BE SHOWN TO OBTAIN	passive VP fragment+to-clause fragment	0.72	80	14	GIVE ONE USE FOR	transitive V+NP fragment	0.96	80
15	MUST BE SHOWN TO	modal V+passive VP fragment+to-clause fragment	0.72	80	15	THE DIAGRAM SHOWS AN	NP+VP fragment	0.70	90
16	SHOWN TO OBTAIN FULL	passive VP fragment+to-clause fragment	0.72	80	16	WHAT HAPPENS TO THE	WH-question fragment	0.63	60
17	THAT SUPPORTING WORK MUST	that-clause fragment	0.72	80	17	WORD FROM THE LIST	NP+post-modifier fragment	0.60	80
18	TO OBTAIN FULL MARKS	to-clause fragment	0.72	80	18	A WORD FROM THE	NP+post-modifier fragment	0.57	70
19	SUPPORTING WORK MUST BE	NP+modal VP fragment	0.72	80	19	AN EXPERIMENT TO SHOW	(noun+) to-clause fragment	0.51	70
20	THE VALUE OF X	NP+of fragment	0.63	100	20	THE PIECE OF EQUIPMENT	NP+of fragment	0.50	60
21	YOUR ANSWER CORRECT TO	NP+VP fragment	0.63	80	21	EACH OF THE FOLLOWING	NP+of fragment	0.48	60
22	AT THE END OF	PP fragment	0.59	100	22	INDICATE CLEARLY THE NUMBER	transitive V+NP	0.47	100
23	IN ITS SIMPLEST FORM	PP	0.58	90	23	NAME THE PIECE OF	transitive V+NP fragment	0.45	90
24	DRAW THE GRAPH OF	transitive V+NP fragment	0.52	100	24	GIVE A REASON FOR	transitive V+NP fragment	0.45	100
25	LIST THE ELEMENTS OF	transitive V+NP fragment	0.50	100	25	A REASON FOR YOUR	NP+post-modifier fragment	0.44	100
26	USING A CALCULATOR OR	transitive V+NP fragment	0.49	80	26	REASON FOR YOUR ANSWER	NP+post-modifier fragment	0.42	100
27	THE NEAREST WHOLE NUMBER	NP	0.47	90	27	IN THE BOX PROVIDED	PP fragment	0.39	100
28	A REASON FOR YOUR	NP+post-modifier fragment	0.47	100	28	WHAT IS MEANT BY	WH-question fragment/2 occurrences as WH-clause fragment	0.39	70
29	REASON FOR YOUR ANSWER	NP+post-modifier fragment	0.47	100	29	AS SHOWN IN THE	passive V+PP fragment	0.38	80
30	MAY BE OBTAINED FROM	modal V+passive VP fragment	0.47	100	30	IS THE FUNCTION OF	copula be+NP fragment	0.38	90
31	FIND THE VOLUME OF	transitive V+NP fragment	0.47	100	31	ONE USE FOR THE	NP+post-modifier fragment	0.36	60
32	GIVE YOUR ANSWER IN	transitive V+NP fragment	0.47	100	32	WHAT IS THE FUNCTION	WH-question fragment	0.35	90
33	ANSWER IN THE FORM	NP+post-modifier fragment	0.45	80	33	QUESTIONS IN THE SPACES	NP+post-modifier fragment	0.34	100
34	YOUR ANSWER IN THE	NP+post-modifier fragment	0.45	80	34	IN THE SPACES PROVIDED	PP fragment	0.34	100
35	CORRECT TO TWO DECIMAL	VP fragment	0.45	90	35	THE SWITCH IS CLOSED	NP+passive VP	0.34	90

36	ANSWERS AND SUPPORTING WORK	N+NP	0.43	80	36	DESCRIBE AN EXPERIMENT TO	transitive V+NP fragment	0.31	60
37	AND GRAPH PAPER CAN	(connector+) NP fragment+modal verb	0.43	80	37	AN EXAMPLE OF A	NP+of fragment	0.29	70
38	AND MODEL OF CALCULATOR	(connector+) NP fragment	0.43	80	38	EXPERIMENT TO SHOW THE	(noun+) to-clause fragment	0.28	60
39	AND SUPPORTING WORK SHOULD	(connector+) NP fragment+modal verb	0.43	80	39	EXPERIMENT TO SHOW THAT	(noun+) to-clause fragment	0.28	70
40	GRAPH PAPER CAN BE	NP+modal VP fragment	0.43	80	40	A LABELLED DIAGRAM HOW	NP fragment	0.28	80
41	SUPERINTENDENT EXAMINER USE ONLY	NP fragment	0.43	80	41	A GOOD SOURCE OF	NP+of fragment	0.28	60
42	MODEL OF CALCULATOR USED	NP+of fragment	0.43	80	42	THE FUNCTION OF THE	NP+of fragment	0.28	70
43	BE WRITTEN INTO THE	passive VP fragment	0.43	80	43	YOU REQUIRE EXTRA SPACE	2nd person pronoun+VP fragment	0.26	100
44	CAN BE OBTAINED FROM	modal V+passive VP fragment	0.43	80	44	IF YOU REQUIRE EXTRA	If-clause fragment	0.26	100
45	PAPER CAN BE OBTAINED	N+modal V+passive VP fragment	0.43	80	45	BACK OF THIS BOOKLET	NP+of fragment	0.26	100
46	SHOULD BE WRITTEN INTO	modal V+passive VP fragment	0.43	80	46	THE BACK OF THIS	NP+of fragment	0.26	100
47	WORK SHOULD BE WRITTEN	N+modal V+passive VP fragment	0.43	80	47	BOX PROVIDED ON THIS	NP+post-modifier fragment	0.26	100
48	WRITTEN INTO THE BOXES	passive VP fragment	0.43	80	48	EXAMINATION NUMBER IN THE	NP+post-modifier fragment	0.26	100
49	INTO THE BOXES PROVIDED	PP	0.43	80	49	NUMBER IN THE BOX	NP+post-modifier fragment	0.26	100
50	FOR THE EXAMINER EXAM	PP fragment	0.43	80	50	THE BOX PROVIDED ON	NP+post-modifier fragment	0.26	100
51	FROM THE SUPERINTENDENT IF	PP fragment	0.43	80	51	YOUR EXAMINATION NUMBER IN	NP+post-modifier fragment	0.26	100
52	TO THE NEAREST WHOLE	PP	0.43	90	52	PROVIDED AT THE BACK	passive VP fragment	0.26	100
53	TO TWO DECIMAL PLACES	PP	0.43	90	53	PROVIDED ON THIS PAGE	passive VP fragment	0.26	100
54	OF CALCULATOR USED FOR	PP fragment	0.43	80	54	AT THE BACK OF	PP fragment	0.26	100
55	SUPPORTING WORK SHOULD BE	NP+modal VP fragment	0.43	80	55	WRITE YOUR EXAMINATION NUMBER	transitive V+NP	0.26	100
56	TO ONE DECIMAL PLACE	PP	0.41	100	56	DIAGRAM SHOWS THE HUMAN	N+VP fragment	0.25	80
57	FIND THE AREA OF	transitive V+NP fragment	0.41	100	57	WHEN THE SWITCH IS	WH-clause fragment	0.25	70
58	CORRECT TO ONE DECIMAL	VP fragment	0.41	100	58	THE PART OF THE	NP+of fragment	0.23	60
59	THE IMAGE OF THE	NP+of fragment	0.40	100	59	EXAMINATION NUMBER FOR EXAMINER	NP+post-modifier fragment	0.23	80
60	GIVE A REASON FOR	transitive V+NP fragment	0.40	90	60	NUMBER FOR EXAMINER USE	NP+post-modifier fragment	0.23	80
61	SHOWN IN THE DIAGRAM	passive V+PP	0.38	70	61	THAT YOU HAVE NAMED	that-clause fragment	0.23	90
62	OF X FOR WHICH	PP fragment	0.34	90	62	GIVE ONE REASON WHY	transitive V+NP fragment	0.23	80
63	USE YOUR GRAPH TO	transitive V+NP+ to-clause fragment	0.32	90	63	THE QUESTIONS IN THE	NP fragment	0.22	90
64	AMOUNT OF THE INVESTMENT	NP+of fragment	0.32	90	64	ANY TWO OF THE	NP+of fragment	0.22	60
65	YOUR ANSWER IN ITS	NP+post-modifier fragment	0.32	90	65	NAME THE PART LABELLED	transitive V+NP	0.22	60
66	CALCULATE THE VALUE OF	transitive V+NP fragment	0.32	80	66	ANSWER THE QUESTIONS IN	transitive V+NP fragment	0.22	90
67	ANSWER IN ITS SIMPLEST	V+PP fragment	0.32	90	67	CAN BE USED TO	modal V+passive VP fragment	0.20	90
68	AREA OF THE TRIANGLE	NP+of fragment	0.31	70	68	IN A SCHOOL LABORATORY	PP fragment	0.20	70
69	THE END OF THE	NP+of fragment	0.31	80	69	NAME THE TYPE OF	transitive V+NP fragment	0.20	70
70	THE AMOUNT OF THE	NP+of fragment	0.31	90	70	REQUIRE EXTRA SPACE THERE	V+NP fragment	0.20	90
71	VALUES OF X FOR	NP+of fragment	0.31	90	71	PART OF THE HUMAN	NP+of fragment	0.19	70
72	INVESTMENT AT THE END	NP+post-modifier fragment	0.31	90	72	ON THE RIGHT THAT	PP fragment	0.19	60

73	THE INVESTMENT AT THE	NP+post-modifier fragment	0.31	90	73	GIVE ONE FUNCTION OF	V+NP fragment	0.19	60
74	AT THE RATE OF	PP fragment	0.31	70	74	AN EXPERIMENT TO INVESTIGATE	(noun+) to-clause fragment	0.17	60
75	OF THE INVESTMENT AT	PP fragment	0.31	90	75	EXPERIMENT TO INVESTIGATE THE	(noun+) to-clause fragment	0.17	60
76	ESTIMATE THE VALUE OF	transitive V+NP fragment	0.31	80	76	THE HUMAN DIGESTIVE SYSTEM	NP	0.17	60
77	AS SHOWN IN THE	passive V+PP fragment	0.31	70	77	THAT CAN BE USED	that-clause fragment	0.17	70
78	IS A POINT ON	copula be+NP fragment	0.31	70	78	WHAT DOES THIS TELL	WH-question fragment	0.17	70
79	PAPER AND GRAPH PAPER	N+NP	0.29	80	79	DIAGRAM SHOWS PART OF	N+VP fragment	0.16	60
80	EXTRA PAPER AND GRAPH	NP+N	0.29	80	80	APPARATUS SHOWN IN THE	NP+post-modifier fragment	0.16	60
81	PAPER MAY BE OBTAINED	N+modal V+passive VP fragment	0.29	80	81	THE APPARATUS SHOWN IN	NP+post-modifier fragment	0.16	60
82	FOR SUPERINTENDENT EXAMINER USE	PP	0.29	80	82	THE DIAGRAM SHOWS PART	NP+VP fragment	0.16	60
83	AND GIVE A REASON	(connector+) transitive V+NP	0.29	60	83	USE THE GRAPH TO	(verb+) to-clause fragment	0.15	70
84	COMPLETE THE TABLE BELOW	transitive V+NP	0.29	100	84	USED TO MEASURE THE	(verb+) to-clause fragment	0.15	70
85	WRITE DOWN THE VALUE	transitive V+NP	0.29	80	85	THIS TELL US ABOUT	N+VP fragment	0.15	60
86	CALCULATOR USED FOR SUPERINTENDENT	N+passive V+PP fragment	0.29	80	86	A THREE PIN PLUG	NP	0.15	70
87	GRAPH PAPER MAY BE	NP+modal VP fragment	0.29	80	87	EQUIPMENT SHOWN IN THE	NP fragment	0.15	60
88	USED FOR SUPERINTENDENT EXAMINER	passive V+PP fragment	0.29	80	88	THE VOLUME OF THE	NP+of fragment	0.15	60
89	THE HEIGHT OF THE	NP+of fragment	9.00	90	89	PAGES PROVIDED AT THE	NP+post-modifier fragment	0.15	70
90	THE EXACT VALUE OF	NP+of fragment	8.00	80	90	DIAGRAM SHOWS THE STRUCTURE	NP+VP fragment	0.15	60
91	THE RIGHT ANGLED TRIANGLE	NP	7.00	70	91	DRAW A GRAPH OF	transitive V+NP fragment	0.15	60
92	LENGTH OF THE SIDE	NP+of fragment	0.27	60	92	GIVE THE FUNCTION OF	transitive V+NP fragment	0.15	60
93	THE EQUATION OF THE	NP+of fragment	0.27	90	93	SHOWS THE STRUCTURE OF	transitive V+NP fragment	0.15	60
94	FIND THE EXACT VALUE	transitive V+NP fragment	0.27	80	94	GIVE A REASON WHY	transitive V+NP fragment	0.15	70
95	FIND THE EQUATION OF	transitive V+NP fragment	0.27	90	95	DOES THIS TELL US	yes-no question fragment	0.15	60
96	MORE BUT LESS THAN	comparison expression	0.27	100	96	USING A LABELLED DIAGRAM	transitive V+NP	0.15	70
97	OR MORE BUT LESS	comparison expression	0.27	100	97	WOULD YOU EXPECT TO	WH-question (2) fragment/WH-clause (8) fragment	0.15	70
98	THE GRAPH OF THE	NP+of fragment	10.00	100	98	THE FOLLOWING PIECES OF	NP+of fragment	0.13	60
99	EQUATION OF THE LINE	N+of fragment	9.00	90	99	THE STRUCTURE OF A	NP+of fragment	0.13	60
100	EACH OF THE FOLLOWING	N+of fragment	10.00	100	100	WHAT IS THE NAME	WH-question fragment	0.13	60

APPENDIX E: Cross-curricular content words in the twelve subject-specific corpora (F = frequency)

Appendix E1: Cross-curricular content words in the six textbooks corpora (sorted by range, cut-off point = 20 text files out of 24, minimum frequency 40 per million words).

N	Word	Total	Texts	English		Geography		History		CSPE		Mathematics		Science	
		Raw F		Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰
1	WATER	4291	24	123	0.27	915	3.05	159	0.46	104	0.53	100	0.44	2890	9.65
2	FIND	2621	24	264	0.58	98	0.33	107	0.31	240	1.23	1567	6.85	345	1.15
3	FOLLOWING	2386	24	442	0.98	580	1.93	410	1.19	189	0.97	547	2.39	218	0.73
4	USED	2273	24	301	0.67	337	1.12	543	1.57	132	0.68	91	0.4	869	2.9
5	AREA	2201	24	54	0.12	847	2.82	95	0.27	252	1.29	824	3.6	129	0.43
6	NUMBER	2148	24	69	0.15	256	0.85	133	0.38	172	0.88	1229	5.38	289	0.97
7	USE	2123	24	491	1.09	453	1.51	233	0.67	180	0.92	293	1.28	473	1.58
8	TIME	2118	24	615	1.36	295	0.98	412	1.19	180	0.92	293	1.28	323	1.08
9	NEW	2037	24	489	1.08	482	1.6	641	1.85	241	1.23	57	0.25	127	0.42
10	MAKE	1848	24	586	1.3	184	0.61	220	0.64	344	1.76	81	0.35	433	1.45
11	LIKE	1828	24	987	2.19	127	0.42	161	0.47	247	1.26	95	0.42	211	0.7
12	WORK	1603	24	221	0.49	294	0.98	386	1.12	441	2.26	55	0.24	206	0.69
13	ANSWER	1572	24	753	1.67	238	0.79	162	0.47	154	0.79	206	0.9	59	0.2
14	PLACE	1544	24	294	0.65	265	0.88	168	0.49	166	0.85	93	0.41	558	1.86
15	EXAMPLE	1542	24	241	0.53	192	0.64	124	0.36	154	0.79	611	2.67	220	0.73
16	GIVE	1469	24	521	1.15	259	0.86	198	0.57	200	1.02	80	0.35	211	0.7
17	SEE	1444	24	519	1.15	286	0.95	107	0.31	158	0.81	51	0.22	323	1.08
18	LINE	1428	24	231	0.51	175	0.58	52	0.15	26	0.13	835	3.65	109	0.36
19	POINT	1349	24	248	0.55	180	0.6	40	0.12	38	0.19	650	2.84	193	0.64
20	DIFFERENT	1282	24	267	0.59	220	0.73	91	0.26	223	1.14	52	0.23	429	1.43
21	SAID	1281	24	832	1.84	36	0.12	103	0.3	226	1.16	39	0.17	45	0.15
22	IMPORTANT	1216	24	232	0.51	227	0.76	316	0.91	166	0.85	158	0.69	117	0.39
23	PART	1216	24	231	0.51	195	0.65	242	0.7	252	1.29	105	0.46	191	0.64
24	SET	1210	24	207	0.46	51	0.17	355	1.03	168	0.86	208	0.91	221	0.74
25	EXPLAIN	1202	24	258	0.57	453	1.51	234	0.68	100	0.51	24	0.1	133	0.44

26	FORM	1175	24	101	0.22	286	0.95	84	0.24	61	0.31	262	1.15	381	1.27
27	USING	1164	24	176	0.39	167	0.56	113	0.33	65	0.33	230	1.01	413	1.38
28	WAY	1154	24	470	1.04	133	0.44	166	0.48	162	0.83	42	0.18	181	0.6
29	SHOW	1152	24	277	0.61	143	0.48	101	0.29	55	0.28	141	0.62	435	1.45
30	GIVEN	1150	24	126	0.28	130	0.43	139	0.4	91	0.47	548	2.4	116	0.39
31	LARGE	1126	24	85	0.19	499	1.66	259	0.75	43	0.22	18	0.08	222	0.74
32	SAME	1099	24	184	0.41	102	0.34	104	0.3	71	0.36	345	1.51	293	0.98
33	TAKE	1080	24	258	0.19	86	0.29	173	0.5	251	1.28	129	0.56	183	0.61
34	SCHOOL	1069	24	439	0.97	67	0.22	69	0.2	415	2.12	60	0.26	19	0.06
35	SHOWN	986	24	60	0.13	304	1.01	41	0.12	17	0.09	183	0.8	381	1.27
36	RIGHT	973	24	270	0.6	56	0.19	90	0.26	218	1.12	231	1.01	108	0.36
37	CHANGE	941	24	99	0.22	165	0.55	284	0.82	80	0.41	90	0.39	223	0.74
38	CENTRE	910	24	44	0.1	366	1.22	85	0.25	118	0.6	143	0.63	154	0.51
39	READ	905	24	546	1.21	45	0.15	110	0.32	101	0.52	41	0.18	62	0.21
40	LONG	895	24	265	0.59	226	0.75	146	0.42	56	0.29	79	0.35	123	0.41
41	QUESTION	813	24	322	0.71	37	0.12	17	0.05	51	0.26	340	1.49	46	0.15
42	INFORMATION	806	24	134	0.3	154	0.51	99	0.29	222	1.14	159	0.7	38	0.13
43	END	803	24	213	0.47	53	0.18	176	0.51	78	0.4	160	0.7	123	0.41
44	PUT	803	24	259	0.57	40	0.13	126	0.36	142	0.73	124	0.54	112	0.37
45	GROUP	799	24	101	0.22	66	0.22	83	0.24	305	1.56	83	0.36	161	0.54
46	STUDY	789	24	94	0.21	351	1.17	101	0.29	101	0.52	39	0.17	103	0.34
47	GO	777	24	390	0.86	55	0.18	83	0.24	130	0.67	45	0.2	74	0.25
48	KNOW	769	24	384	0.85	51	0.17	58	0.17	115	0.59	49	0.21	112	0.37
49	LOOK	758	24	409	0.91	71	0.24	37	0.11	132	0.68	45	0.2	64	0.21
50	SIDE	754	24	132	0.29	133	0.44	69	0.2	32	0.16	253	1.11	135	0.45
51	MAIN	748	24	173	0.38	195	0.65	168	0.49	114	0.58	13	0.06	85	0.28
52	FOUND	741	24	139	0.31	170	0.57	174	0.5	91	0.47	35	0.15	132	0.44
53	CLASS	737	24	165	0.37	53	0.18	91	0.26	329	1.68	71	0.31	28	0.09
54	STATE	731	24	47	0.1	87	0.29	298	0.86	164	0.84	34	0.15	101	0.34
55	TIMES	674	24	128	0.28	150	0.5	106	0.31	74	0.38	130	0.57	86	0.29
56	AWAY	654	24	249	0.55	122	0.41	65	0.19	55	0.28	24	0.1	139	0.46
57	LEFT	648	24	167	0.37	84	0.28	103	0.3	61	0.31	103	0.45	130	0.43
58	MEANS	636	24	101	0.22	122	0.41	69	0.2	104	0.53	129	0.56	111	0.37

59	LIST	612	24	112	0.25	78	0.26	125	0.36	149	0.76	63	0.28	85	0.28
60	SHOWS	608	24	116	0.26	129	0.43	54	0.16	29	0.15	132	0.58	148	0.49
61	TYPE	608	24	40	0.09	164	0.59	43	0.12	60	0.31	175	0.77	126	0.42
62	TOGETHER	606	24	97	0.21	111	0.37	75	0.22	95	0.49	30	0.13	198	0.66
63	TAKEN	578	24	85	0.19	111	0.37	107	0.31	79	0.4	97	0.42	99	0.33
64	SAY	569	24	309	0.68	29	0.1	39	0.11	131	0.67	21	0.09	40	0.13
65	KNOWN	556	24	83	0.18	91	0.3	169	0.49	85	0.43	36	0.16	92	0.31
66	TOP	553	24	119	0.26	80	0.27	47	0.14	18	0.09	149	0.65	140	0.47
67	HIGHER	530	24	27	0.06	153	0.51	117	0.34	16	0.08	20	0.09	197	0.66
68	SPEED	493	24	18	0.04	52	0.17	29	0.08	15	0.08	237	1.04	142	0.47
69	TYPES	492	24	40	0.09	177	0.59	49	0.14	44	0.23	31	0.14	151	0.5
70	PARTS	470	24	49	0.11	123	0.41	70	0.2	34	0.17	76	0.33	118	0.39
71	ORDER	451	24	96	0.21	38	0.13	107	0.31	74	0.38	61	0.27	75	0.25
72	RED	438	24	94	0.21	78	0.26	25	0.07	12	0.06	24	0.1	205	0.68
73	KEEP	436	24	165	0.37	29	0.1	72	0.21	73	0.37	28	0.12	69	0.23
74	COMPLETE	432	24	64	0.14	138	0.06	42	0.12	13	0.07	120	0.52	55	0.18
75	MIDDLE	427	24	61	0.14	53	0.18	216	0.63	14	0.07	60	0.26	23	0.08
76	CUT	422	24	50	0.11	70	0.23	64	0.19	31	0.16	102	0.45	105	0.35
77	GROUND	385	24	56	0.12	104	0.35	72	0.21	16	0.08	65	0.28	72	0.24
78	PIECE	385	24	104	0.23	15	0.05	25	0.07	16	0.08	28	0.12	197	0.66
79	BOX	375	24	70	0.16	91	0.3	18	0.05	44	0.023	62	0.27	90	0.3
80	TRY	373	24	132	0.29	33	0.11	18	0.05	64	0.33	37	0.16	89	0.3
81	ACROSS	363	24	115	0.25	73	0.24	68	0.2	27	0.01	26	0.11	54	0.18
82	MAKES	360	24	174	0.39	38	0.13	16	0.05	36	0.18	23	0.1	73	0.24
83	DIVIDED	331	24	30	0.07	60	0.2	117	0.34	39	0.2	55	0.24	30	0.1
84	CLEAR	323	24	154	0.34	37	0.12	31	0.09	35	0.18	17	0.07	49	0.16
85	INSIDE	313	24	88	0.19	19	0.06	29	0.08	10	0.05	35	0.15	132	0.44
86	SPACE	309	24	25	0.06	110	0.37	44	0.13	11	0.06	21	0.09	98	0.33
87	TRAVEL	305	24	38	0.08	77	0.26	64	0.19	27	0.14	47	0.21	52	0.17
88	INCLUDING	298	24	44	0.1	67	0.22	67	0.19	49	0.25	43	0.19	28	0.09
89	OUTSIDE	283	24	56	0.12	40	0.13	74	0.21	28	0.01	42	0.18	43	0.14
90	TURN	283	24	64	0.14	38	0.13	18	0.05	20	0.1	24	0.1	119	0.4
91	BRING	273	24	72	0.16	44	0.15	53	0.15	47	0.24	17	0.07	40	0.13
92	RANGE	244	24	21	0.05	76	0.25	23	0.07	21	0.11	86	0.38	17	0.06

93	JOIN	242	24	19	0.04	39	0.13	71	0.21	46	0.24	41	0.18	26	0.09
94	CROSS	193	24	31	0.07	51	0.17	44	0.13	19	0.1	31	0.14	17	0.06
95	DRAWN	186	24	26	0.06	28	0.09	48	0.14	14	0.07	47	0.21	23	0.08
96	PEOPLE	4891	23	619	1.37	1140	3.79	1508	4.36	1278	6.54	292	1.28	54	0.18
97	CALLED	2045	23	174	0.39	426	1.42	506	1.46	125	0.64	138	0.6	676	2.26
98	WRITE	1879	23	878	1.95	75	0.25	322	0.93	151	0.77	404	1.77	49	0.16
99	MADE	1625	23	316	0.7	147	0.49	517	1.5	249	1.27	36	0.16	360	1.2
100	NAME	1554	23	305	0.68	300	1	337	0.98	235	1.2	62	0.27	315	1.05
101	YEARS	1415	23	183	0.41	292	0.97	375	1.09	255	1.3	237	1.04	73	0.24
102	SMALL	1150	23	161	0.36	252	0.84	207	0.6	100	0.51	33	0.14	397	1.33
103	QUESTIONS	1105	23	449	0.99	85	0.28	93	0.27	246	1.26	149	0.65	83	0.28
104	PER	1046	23	96	0.21	357	1.19	115	0.33	67	0.34	225	0.98	186	0.62
105	POWER	818	23	45	0.1	133	0.44	318	0.92	71	0.36	62	0.27	189	0.63
106	OLD	805	23	335	0.74	156	0.52	131	0.38	97	0.5	56	0.24	30	0.1
107	DRAW	763	23	36	0.08	192	0.64	25	0.07	60	0.31	335	1.47	115	0.38
108	LEVEL	724	23	39	0.09	227	0.76	47	0.14	63	0.32	57	0.25	291	0.97
109	PAPER	718	23	80	0.18	69	0.23	39	0.11	72	0.37	20	0.09	438	1.46
110	PERSON	700	23	225	0.5	53	0.18	109	0.32	196	1	83	0.36	34	0.11
111	PAGE	698	23	161	0.36	296	0.99	137	0.4	66	0.34	17	0.07	21	0.07
112	POINTS	669	23	176	0.39	125	0.42	15	0.04	33	0.17	257	1.12	63	0.21
113	NOTE	632	23	67	0.15	16	0.05	39	0.11	9	0.05	269	1.18	232	0.77
114	TERMS	626	23	39	0.09	58	0.19	110	0.32	25	0.13	375	1.64	19	0.06
115	NEED	588	23	155	0.34	111	0.21	22	0.06	135	0.69	36	0.16	129	0.43
116	COMMON	569	23	50	0.11	73	0.24	127	0.37	46	0.24	176	0.77	97	0.32
117	TABLE	553	23	58	0.13	13	0.04	17	0.05	25	0.13	241	1.05	199	0.66
118	PLACES	527	23	71	0.16	227	0.76	70	0.2	38	0.19	100	0.44	21	0.07
119	ETC	518	23	113	0.25	56	0.19	26	0.08	87	0.45	47	0.01	189	0.63
120	CASE	514	23	108	0.24	165	0.55	34	0.1	92	0.47	64	0.28	51	0.17
121	PROBLEMS	489	23	52	0.12	121	0.4	125	0.36	100	0.51	72	0.31	19	0.06
122	MOVE	457	23	73	0.16	114	0.38	22	0.06	39	0.2	18	0.08	191	0.64
123	HOURS	456	23	65	0.14	62	0.21	39	0.11	35	0.18	167	0.73	88	0.29
124	WORD	427	23	231	0.51	31	0.1	44	0.13	36	0.18	24	0.1	61	0.2
125	CAR	422	23	99	0.22	84	0.28	28	0.08	46	0.24	76	0.33	89	0.3
126	EXAMPLES	402	23	68	0.15	98	0.33	40	0.12	48	0.25	15	0.07	133	0.44

127	LEAVE	387	23	77	0.17	56	0.19	37	0.11	35	0.18	41	0.18	141	0.47
128	FULL	369	23	152	0.34	28	0.09	50	0.14	34	0.17	32	0.14	73	0.24
129	CENTRAL	361	23	45	0.1	100	0.33	51	0.15	22	0.11	122	0.53	21	0.07
130	TERM	361	23	26	0.06	44	0.15	50	0.14	40	0.2	183	0.8	18	0.06
131	HALF	353	23	138	0.31	33	0.11	56	0.16	31	0.16	24	0.1	71	0.24
132	FILL	347	23	63	0.14	21	0.07	16	0.05	39	0.2	70	0.31	138	46
133	POSSIBLE	336	23	46	0.1	46	0.15	46	0.13	60	0.31	63	0.28	75	0.25
134	WEEK	318	23	62	0.14	34	0.11	42	0.12	108	0.55	43	0.19	29	0.1
135	FOLLOW	309	23	162	0.36	27	0.09	25	0.07	64	0.33	18	0.08	13	0.04
136	CERTAIN	306	23	48	0.11	24	0.08	46	0.13	40	0.2	58	0.25	90	0.3
137	WALL	300	23	53	0.12	28	0.09	80	0.23	25	0.13	31	0.14	83	0.28
138	VARIOUS	287	23	29	0.06	41	0.14	44	0.13	35	0.18	13	0.06	125	0.42
139	BUILD	286	23	26	0.06	100	0.33	93	0.27	27	0.14	20	0.09	20	0.07
140	LEAST	260	23	60	0.13	80	0.27	19	0.05	39	0.2	29	0.13	33	0.11
141	SIMILAR	245	23	34	0.08	28	0.09	46	0.13	16	0.08	65	0.28	56	0.19
142	WHETHER	227	23	49	0.11	33	0.11	21	0.06	49	0.25	30	0.13	45	0.15
143	COVER	224	23	49	0.08	43	0.14	20	0.06	19	0.1	13	0.06	80	0.27
144	LONGER	219	23	48	0.11	48	0.16	51	0.15	19	0.1	21	0.09	32	0.11
145	NECESSARY	202	23	21	0.05	19	0.06	26	0.08	21	0.11	40	0.17	75	0.25
146	DUE	200	23	21	0.05	61	0.2	28	0.08	18	0.09	21	0.09	51	0.17
147	DIRECTLY	187	23	31	0.07	45	0.15	41	0.12	22	0.11	15	0.07	33	0.11
148	REACH	173	23	24	0.05	50	0.17	24	0.07	27	0.14	14	0.06	34	0.11
149	YEAR	1578	22	205	0.45	193	0.64	496	1.44	206	1.05	432	1.89	46	0.01
150	LAND	1276	22	33	0.07	596	1.98	493	1.43	86	0.44	22	0.1	46	0.15
151	DAY	1131	22	281	0.62	136	0.45	231	0.67	317	1.62	47	0.21	119	0.4
152	CHILDREN	1023	22	329	0.73	190	0.63	132	0.38	326	1.67	26	0.11	20	0.07
153	GOOD	1016	22	534	1.18	81	0.27	142	0.41	109	0.56	30	0.01	120	0.4
154	HELP	871	22	187	0.41	156	0.52	212	0.61	226	1.16	20	0.01	70	0.23
155	CO [COUNTY]	849	22	28	0.06	366	1.22	267	0.77	100	0.51	63	0.01	25	0.01
156	AGE	781	22	71	0.16	137	0.46	322	0.93	111	0.57	124	0.54	16	0.01
157	HOUSE	721	22	319	0.71	69	0.23	182	0.53	88	0.45	14	0.06	49	0.16
158	SIDES	642	22	20	0.04	81	0.27	43	0.12	17	0.09	464	2.03	17	0.01
159	USUALLY	582	22	115	0.25	131	0.44	128	0.37	42	0.21	28	0.01	138	0.46
160	CHANGES	558	22	33	0.07	95	0.32	190	0.55	50	0.26	28	0.01	162	0.54

161	MEAN	526	22	90	0.2	57	0.19	19	0.01	40	0.2	292	1.28	28	0.09
162	TOTAL	511	22	20	0.04	77	0.26	46	0.13	36	0.18	261	1.14	71	0.24
163	HAND	501	22	213	0.47	21	0.07	71	0.21	30	0.15	74	0.32	92	0.31
164	CHAPTER	445	22	23	0.05	156	0.52	19	0.05	47	0.24	121	0.53	79	0.26
165	WAYS	436	22	68	0.15	144	0.48	53	0.15	86	0.44	16	0.01	69	0.23
166	NEEDED	412	22	34	0.08	58	0.19	86	0.25	58	0.3	26	0.01	150	0.5
167	SIMPLE	411	22	79	0.18	13	0.04	24	0.07	11	0.06	25	0.11	259	0.87
168	WHITE	408	22	133	0.29	29	0.1	21	0.06	25	0.13	15	0.07	185	0.62
169	LETTER	399	22	147	0.33	54	0.18	30	0.09	98	0.5	55	0.24	15	0.01
170	BUILDING	392	22	43	0.1	137	0.46	119	0.34	53	0.27	16	0.01	24	0.08
171	WORKING	384	22	53	0.12	55	0.18	133	0.38	98	0.5	16	0.07	29	0.1
172	FRONT	301	22	115	0.25	78	0.26	36	0.1	17	0.09	16	0.07	39	0.13
173	TAKING	289	22	63	0.14	17	0.06	35	0.1	84	0.43	42	0.01	48	0.16
174	SINGLE	280	22	40	0.09	35	0.12	77	0.22	30	0.15	35	0.15	63	0.21
175	CHANGED	275	22	42	0.09	59	0.2	88	0.25	21	0.11	15	0.07	50	0.17
176	ADDED	248	22	21	0.05	14	0.05	24	0.07	16	0.08	98	0.43	75	0.25
177	HOUR	248	22	58	0.13	37	0.12	27	0.11	12	0.06	69	0.3	45	0.15
178	CLEARLY	225	22	108	0.24	25	0.08	17	0.01	22	0.11	24	0.1	29	0.1
179	WIDE	218	22	31	0.07	90	0.3	40	0.12	18	0.09	18	0.08	21	0.07
180	FURTHER	204	22	27	0.06	52	0.17	46	0.13	18	0.09	15	0.01	46	0.15
181	STEPS	201	22	54	0.12	18	0.06	25	0.07	29	0.15	52	0.23	23	0.08
182	POSITION	196	22	26	0.06	15	0.05	28	0.08	20	0.1	16	0.07	91	0.3
183	FINDING	140	22	31	0.07	13	0.04	18	0.05	21	0.11	17	0.07	40	0.13
184	WORDS	900	21	673	1.49	49	0.16	45	0.13	88	0.45	32	0.01	13	0.04
185	HOME	855	21	244	0.54	96	0.32	316	0.91	137	0.7	18	0.08	44	0.15
186	MARKS	638	21	208	0.46	23	0.08	72	0.21	177	0.91	75	0.33	83	0.01
187	FREE	448	21	60	0.13	46	0.15	205	0.59	71	0.36	25	0.01	41	0.14
188	DAYS	417	21	88	0.19	46	0.15	89	0.26	41	0.21	76	0.01	77	0.26
189	NIGHT	379	21	198	0.44	33	0.11	67	0.19	28	0.14	24	0.01	29	0.1
190	COURSE	370	21	118	0.26	85	0.28	21	0.06	103	0.53	22	0.1	21	0.01
191	WHOLE	272	21	106	0.23	20	0.07	32	0.09	26	0.13	62	0.27	26	0.01
192	UNIT	270	21	44	0.1	27	0.05	34	0.1	27	0.14	32	0.14	106	0.35
193	PARTICULAR	259	21	97	0.21	23	0.08	25	0.07	54	0.28	20	0.09	40	0.13

194	BROKEN	231	21	52	0.12	37	0.12	33	0.1	10	0.05	29	0.01	70	0.23
195	SIZE	207	21	24	0.05	47	0.16	31	0.09	15	0.08	26	0.01	64	0.21
196	FOLLOWS	187	21	38	0.08	19	0.09	31	0.09	13	0.07	47	0.21	39	0.13
197	RETURN	169	21	29	0.06	17	0.06	68	0.2	18	0.09	14	0.01	23	0.08
198	CARS	163	21	25	0.06	41	0.14	25	0.07	30	0.15	24	0.01	18	0.06
199	REACHED	160	21	34	0.08	16	0.08	66	0.19	12	0.06	18	0.08	14	0.05
200	TEST	1010	20	30	0.07	71	0.24	70	0.2	12	0.06	73	0.01	754	2.52
201	MAN	583	20	328	0.73	21	0.07	106	0.31	25	0.13	48	0.21	55	0.18
202	AVERAGE	386	20	18	0.04	109	0.36	16	0.01	18	0.09	144	0.63	81	0.27
203	TRUE	234	20	80	0.18	49	0.16	15	0.04	32	0.16	36	0.16	22	0.07

Appendix E2: The most significant collocates of the top ten cross-curricular textbooks words and detailed information on G^2 scores (≥ 15.13), total frequency and frequency in each position (within a five-word collocational span).

1. The most significant collocates of *water* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BOTTLE	water	53.91404	5	2	3	1	1	0	0	0	0	2	0	0	0	1
2	LIKE	water	26.11329	6	0	6	0	0	0	0	0	0	2	0	2	0	2

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SUPPLIES	water	687.963562	70	9	61	2	3	1	1	2	0	57	1	1	2	0
2	CLEAN	water	593.0601807	56	53	3	0	0	1	2	50	0	0	0	2	0	1
3	SUPPLY	water	382.8630981	43	8	35	1	3	1	2	1	0	29	0	1	4	1
4	FRESH	water	263.1565247	23	19	4	0	0	0	1	18	0	0	3	0	1	0
5	CYCLE	water	241.6743774	29	5	24	0	2	1	2	0	0	22	0	0	1	1
6	AIR	water	200.7842255	39	22	17	5	6	3	6	2	0	1	3	4	8	1
7	CONDENSES	water	165.6952057	16	2	14	0	0	1	0	1	0	1	8	0	2	3
8	RIVERS	water	158.5006256	29	16	13	5	4	5	2	0	0	5	0	4	2	2
9	DRINKING	water	146.052002	14	10	4	0	0	0	0	10	0	0	3	1	0	0
10	ATMOSPHERE	water	142.0097656	23	6	17	0	0	3	1	2	0	0	2	8	4	3
11	SHORTAGE	water	129.2145996	15	14	1	1	1	10	2	0	0	1	0	0	0	0
12	RESOURCE	water	128.0402527	20	4	16	0	1	1	1	1	0	0	0	0	7	9
13	SURFACE	water	127.0071945	24	15	9	0	1	2	2	10	0	1	1	2	3	2
14	MARK	water	119.4587326	20	3	17	2	0	1	0	0	0	16	0	0	0	1
15	AVAILABLE	water	111.7765198	18	4	14	2	1	0	0	1	0	2	7	5	0	0

16	IRRIGATION	water	107.4793167	15	7	8	1	2	0	1	3	0	0	4	0	3	1
17	ICE	water	102.3975449	19	5	14	2	0	1	2	0	0	1	0	3	1	9
18	SAFE	water	100.6748657	11	11	0	0	2	0	7	2	0	0	0	0	0	0
19	RIVER	water	99.54005432	27	12	15	2	3	2	0	5	0	0	4	3	4	4
20	FORM	water	99.14919281	21	5	16	1	1	1	2	0	0	0	5	3	5	3
21	LITRES	water	98.8160553	10	9	1	0	0	0	9	0	0	0	0	0	0	1
22	SOIL	water	98.51757813	24	8	16	2	1	2	3	0	0	0	5	8	1	2
23	LAKES	water	97.92569733	17	7	10	2	2	1	2	0	0	1	0	5	4	0
24	AMOUNT	water	96.70491028	14	14	0	0	0	1	13	0	0	0	0	0	0	0
25	FOOD	water	92.52518463	17	6	11	0	0	3	0	3	0	6	4	0	1	0
26	SPORTS	water	89.47001648	11	0	11	0	0	0	0	0	0	10	0	0	0	1
27	SEA	water	87.39369202	23	12	11	2	1	0	1	8	0	0	2	5	2	2
28	ELECTRICITY	water	87.23550415	13	6	7	0	0	0	2	4	0	5	0	1	1	0
29	RENEWABLE	water	82.6006546	12	3	9	1	0	0	1	1	0	0	2	5	2	0
30	PIPED	water	81.41512299	8	3	5	0	0	0	0	3	0	0	3	2	0	0
31	WARM	water	79.53540802	16	13	3	6	1	3	0	3	0	0	2	0	0	1
32	STORE	water	79.03524017	8	8	0	1	0	0	1	6	0	0	0	0	0	0
33	MOVING	water	78.41814423	12	9	3	1	1	0	0	7	0	0	0	0	2	1
34	PEOPLE	water	78.2532196	29	13	16	1	3	8	1	0	0	0	3	3	5	5
35	RESERVOIR	water	76.38998413	9	3	6	0	0	1	1	1	0	0	1	3	0	2
36	LINE	water	75.40449524	15	10	5	0	10	0	0	0	0	0	2	0	0	3
37	SCARCE	water	75.20115662	8	3	5	0	1	0	0	2	0	0	3	0	1	1
38	VITAL	water	73.50270081	9	3	6	1	1	0	0	1	0	0	3	3	0	0
39	EVAPORATES	water	72.9719696	7	2	5	0	0	0	2	0	0	5	0	0	0	0
40	RISES	water	71.24276733	11	6	5	1	1	0	3	1	0	0	4	0	0	1
41	LAIN	water	70.70396423	6	6	0	0	0	0	6	0	0	0	0	0	0	0
42	NATURAL	water	67.1675415	16	4	12	0	1	2	1	0	0	0	1	4	6	1
43	DISEASES	water	66.92438507	9	3	6	0	1	1	0	1	0	0	4	1	0	1
44	HOLD	water	65.7459259	9	8	1	0	0	4	4	0	0	0	1	0	0	0
45	BHARR	water	64.96784973	6	6	0	0	0	6	0	0	0	0	0	0	0	0
46	FALLING	water	64.65192413	8	8	0	0	0	0	1	7	0	0	0	0	0	0

47	EVAPORATION	water	63.12609482	7	6	1	1	2	2	1	0	0	0	0	0	1	0
48	LOW	water	62.9430809	16	10	6	0	0	1	0	9	0	0	0	3	1	2
49	HIGH	water	62.13713837	18	13	5	1	0	0	4	8	0	0	1	3	0	1
50	CLOUD	water	60.79706955	10	3	7	1	1	1	0	0	0	0	1	3	1	2
51	LAKE	water	59.97838593	11	7	4	2	1	0	3	1	0	0	2	1	0	1
52	SEEPS	water	58.91447067	5	0	5	0	0	0	0	0	0	4	0	0	0	1
53	USE	water	57.94544983	17	10	7	2	2	2	4	0	0	4	1	0	1	1
54	CENT	water	57.20590973	12	12	0	0	3	3	0	6	0	0	0	0	0	0
55	AMOUNTS	water	56.62693787	9	7	2	0	1	0	6	0	0	0	0	2	0	0
56	SANITATION	water	55.83916473	7	0	7	0	0	0	0	0	0	0	6	0	0	1
57	SALT	water	55.57332611	6	4	2	0	0	1	0	3	0	0	0	1	0	1
58	CANAL	water	55.34095764	8	1	7	1	0	0	0	0	0	0	3	3	0	1
59	PER	water	54.32522583	15	13	2	3	3	0	7	0	0	0	0	1	0	1
60	PIPES	water	54.10150909	6	4	2	2	1	1	0	0	0	0	0	1	1	0
61	CONTAMINATED	water	53.51325607	5	3	2	0	0	0	0	3	0	0	1	0	1	0
62	JUG	water	53.51325607	5	1	4	0	0	0	1	0	0	0	0	2	1	1
63	DEEP	water	53.36144257	10	8	2	1	1	0	0	6	0	1	0	1	0	0
64	CLOUDS	water	53.16431808	8	3	5	0	1	1	1	0	0	0	0	3	0	2
65	SYSTEMS	water	53.16431808	8	2	6	1	1	0	0	0	0	1	1	1	1	2
66	DROPS	water	51.62664032	6	6	0	1	0	0	5	0	0	0	0	0	0	0
67	SEWAGE	water	51.1205368	7	2	5	0	1	0	0	1	0	0	3	2	0	0
68	FILLED	water	50.56322861	6	5	1	0	0	1	3	1	0	0	0	0	1	0
69	TINY	water	50.55361938	8	4	4	0	0	2	0	2	0	0	0	0	3	1
70	LAG	water	50.54973602	5	3	2	0	0	3	0	0	0	0	0	2	0	0
71	POUR	water	50.54973602	5	5	0	0	1	1	0	3	0	0	0	0	0	0
72	LARGE	water	49.79380417	16	10	6	1	3	4	2	0	0	0	1	2	1	2
73	PASS	water	49.01276779	7	1	6	0	1	0	0	0	0	0	6	0	0	0
74	PROVIDES	water	48.85714722	9	8	1	1	0	2	1	4	0	0	0	1	0	0
75	RETURN	water	48.69016266	6	4	2	0	2	1	0	1	0	2	0	0	0	0
76	DISEASE	water	48.53310394	7	2	5	1	0	0	0	1	0	0	3	0	1	1
77	SERVICES	water	48.24433136	13	9	4	3	3	1	1	1	0	0	0	1	3	0

78	PRECIPITATION	water	48.01585007	9	3	6	0	0	0	2	1	0	0	1	1	2	2
79	FUNNEL	water	46.57123566	5	4	1	0	0	3	0	1	0	0	0	1	0	0
80	CONSTANTLY	water	45.65933228	6	1	5	0	1	0	0	0	0	2	2	1	0	0
81	CONTENT	water	45.65933228	6	1	5	0	1	0	0	0	0	5	0	0	0	0
82	COOKING	water	45.65933228	6	2	4	0	0	2	0	0	0	0	0	3	0	1
83	FLOWS	water	45.35898972	8	0	8	0	0	0	0	0	0	6	0	1	1	0
84	SHORE	water	45.11610794	8	2	6	0	1	1	0	0	0	0	0	2	2	2
85	FLOWING	water	45.07912064	5	4	1	0	1	1	0	2	0	0	1	0	0	0
86	CYLINDER	water	45.01025391	6	1	5	0	1	0	0	0	0	0	0	1	4	0
87	LAND	water	44.55399323	16	9	7	1	2	1	2	3	0	0	0	3	1	3
88	PARTICLES	water	43.73479462	8	6	2	1	0	1	4	0	0	1	0	1	0	0
89	AREAS	water	43.4896965	19	9	10	0	2	5	2	0	0	7	1	0	1	1
90	BREAKS	water	43.25471115	6	1	5	0	0	1	0	0	0	3	0	0	1	1
91	REACH	water	42.23611069	7	7	0	1	1	0	4	1	0	0	0	0	0	0
92	SOURCE	water	42.06888962	8	5	3	0	1	2	2	0	0	2	0	0	1	0
93	EARTH'S	water	41.7949295	10	8	2	0	3	0	0	5	0	0	0	1	1	0
94	DISSOLVED	water	41.63537979	5	1	4	1	0	0	0	0	0	0	2	1	0	1
95	RESERVOIRS	water	41.63537979	5	4	1	2	0	1	0	1	0	0	0	0	0	1
96	POWER	water	40.91411209	9	4	5	1	1	1	1	0	0	2	0	1	2	0
97	DROPLETS	water	40.71495438	5	1	4	0	0	0	1	0	0	3	0	0	0	1
98	DAY	water	40.51503372	9	5	4	1	1	1	0	2	0	0	2	0	0	2
99	COOLS	water	40.37948227	6	1	5	0	0	0	1	0	0	0	2	2	1	0
100	LIVING	water	40.25421524	9	8	1	4	4	0	0	0	0	0	0	1	0	0
101	FORCE	water	40.05408096	7	6	1	0	3	2	1	0	0	0	0	0	0	1
102	VOLUME	water	39.87423325	5	3	2	0	1	1	1	0	0	1	0	0	1	0
103	USED	water	39.65615845	12	7	5	1	2	1	3	0	0	1	2	1	1	0
104	COLD	water	38.94769287	10	6	4	0	0	0	2	4	0	0	1	3	0	0
105	FISH	water	38.30395889	9	6	3	0	1	3	2	0	0	1	0	0	1	1
106	POLLUTION	water	38.17830658	7	1	6	0	1	0	0	0	0	3	2	0	1	0
107	TRANSPORT	water	37.76541901	10	0	10	0	0	0	0	0	0	1	1	5	2	1
108	POLLUTED	water	37.71589279	5	2	3	1	1	0	0	0	0	0	0	1	1	1

109	LIFE	water	37.41693878	10	2	8	0	1	1	0	0	0	2	1	0	0	5
110	PROVIDED	water	36.80025101	8	7	1	1	0	0	2	4	0	0	1	0	0	0
111	LACK	water	36.53454971	7	4	3	0	0	4	0	0	0	0	1	1	1	0
112	WELL	water	35.95307159	9	3	6	0	1	0	0	2	0	0	1	3	2	0
113	MEANS	water	35.8598938	8	5	3	0	1	2	2	0	0	1	0	2	0	0
114	CARRIED	water	35.78336716	7	5	2	1	4	0	0	0	0	0	2	0	0	0
115	BECOME	water	35.2231636	8	5	3	1	0	4	0	0	0	0	1	1	1	0
116	LEAVING	water	34.92883682	5	1	4	0	1	0	0	0	0	0	1	1	2	0
117	CONDENSATION	water	34.92883682	5	2	3	1	0	0	1	0	0	0	0	1	0	2
118	DROP	water	34.92883682	5	3	2	1	1	0	1	0	0	0	1	0	0	1
119	HUMUS	water	34.90086746	7	4	3	1	2	1	0	0	0	1	0	1	1	0
120	PLANTS	water	34.4938736	8	4	4	1	1	1	0	1	0	0	2	2	0	0
121	CALLED	water	34.42829514	12	7	5	0	1	0	2	4	0	0	0	2	2	1
122	ROCK	water	34.30556488	11	7	4	1	2	0	3	1	0	1	1	1	0	1
123	DRAINAGE	water	34.00656509	6	5	1	1	1	2	1	0	0	0	0	1	0	0
124	ALLOW	water	34.00656509	6	6	0	0	1	0	0	5	0	0	0	0	0	0
125	SHALLOW	water	34.0047226	5	5	0	1	0	0	0	4	0	0	0	0	0	0
126	RAIN	water	33.63039017	10	5	5	1	1	2	1	0	0	0	1	1	2	1
127	PROVIDE	water	32.92191315	8	7	1	0	1	1	1	4	0	0	0	1	0	0
128	SLOWLY	water	32.85096359	7	0	7	0	0	0	0	0	0	1	1	4	0	1
129	SUN'S	water	31.66614914	5	4	1	0	3	1	0	0	0	0	0	0	1	0
130	CAUSES	water	31.33779526	7	5	2	2	1	0	1	1	0	2	0	0	0	0
131	NEED	water	30.82876205	7	7	0	1	0	0	3	3	0	0	0	0	0	0
132	COOLED	water	30.67953491	5	4	1	1	0	0	2	1	0	0	0	1	0	0
133	FACILITIES	water	30.21426201	8	2	6	0	0	0	1	1	0	1	2	1	1	1
134	WORKS	water	29.78462219	5	1	4	0	0	0	1	0	0	0	3	1	0	0
135	BASIC	water	29.78462219	5	1	4	1	0	0	0	0	0	0	1	3	0	0
136	GAS	water	29.30163956	7	5	2	0	0	1	3	1	0	0	0	2	0	0
137	HONG	water	29.1088562	6	2	4	1	0	1	0	0	0	1	1	1	1	0
138	LOCAL	water	28.87095261	8	6	2	0	0	2	0	4	0	0	1	0	0	1
139	MEASURING	water	28.70798111	5	0	5	0	0	0	0	0	0	1	0	3	0	1

140	USES	water	28.04807854	6	5	1	0	4	0	1	0	0	0	0	0	1	0
141	FALL	water	27.74033546	5	1	4	0	0	0	1	0	0	2	1	1	0	0
142	MOVEMENT	water	27.5471859	7	7	0	2	0	0	5	0	0	0	0	0	0	0
143	SHORT	water	27.29101372	5	0	5	0	0	0	0	0	0	0	0	2	1	2
144	CAUSED	water	26.8178463	6	3	3	0	2	1	0	0	0	1	1	0	0	1
145	VAPOUR	water		58	1	57	0	1	0	0	0	0	54	0	1	2	0
146	ENERGY	water	26.61921501	7	3	4	3	0	0	0	0	0	0	0	2	1	1
147	BECOMES	water	26.25276566	5	1	4	0	0	1	0	0	0	3	0	1	0	0
148	HEALTH	water	26.18927956	6	4	2	1	0	2	1	0	0	1	0	0	1	0
149	AGAINST	water	25.86738777	5	3	2	1	0	2	0	0	0	0	0	0	2	0
150	WAVES	water	25.71109962	6	2	4	0	0	2	0	0	0	0	0	2	0	2
151	GROUND	water	25.36569595	6	5	1	2	0	0	0	3	0	0	0	0	1	0
152	SETTLERS	water	25.31733513	5	2	3	1	1	0	0	0	0	0	0	2	1	0
153	NEEDED	water	25.14090729	5	0	5	0	0	0	0	0	0	0	3	1	0	1
154	WORLD'S	water	25.02726173	7	6	1	1	2	0	1	2	0	0	0	0	0	1
155	WASTE	water	24.96773148	5	3	2	1	0	0	0	2	0	0	1	0	1	0
156	DEFENCE	water	24.79769516	5	2	3	0	1	0	0	1	0	1	2	0	0	0
157	TAKEN	water	24.59994316	6	2	4	0	1	1	0	0	0	0	4	0	0	0
158	DIAGRAM	water	24.3053627	5	5	0	0	1	4	0	0	0	0	0	0	0	0
159	NEEDS	water	24.14685249	5	3	2	1	1	0	0	1	0	0	0	1	1	0
160	INCLUDING	water	23.68688011	5	1	4	0	1	0	0	0	0	1	1	2	0	0
161	PROCESS	water	23.39240456	5	4	1	0	1	3	0	0	0	0	0	0	1	0
162	CROPS	water	22.83011436	5	2	3	0	0	1	0	1	0	0	0	2	0	1
163	PUBLIC	water	22.69472885	5	3	2	0	0	0	1	2	0	0	0	1	0	1
164	ACTIVITIES	water	22.63153648	9	6	3	3	0	0	2	1	0	0	1	1	1	0
165	WIND	water	22.17087364	7	5	2	0	0	1	3	1	0	0	2	0	0	0
166	COAL	water	22.04613686	5	3	2	0	1	1	1	0	0	1	0	1	0	0
167	DUBLIN	water	21.95417595	10	3	7	2	1	0	0	0	0	0	2	2	2	1
168	ATLANTIC	water	21.79900742	5	3	2	0	2	0	1	0	0	0	0	1	0	1
169	RESOURCES	water	21.58173752	6	2	4	0	0	0	1	1	0	3	0	1	0	0
170	DRY	water	21.34560394	6	2	4	1	0	0	1	0	0	0	0	0	3	1

171	LONG	water	21.27629471	7	3	4	2	1	0	0	0	0	0	1	0	1	2
172	LIMESTONE	water	21.26806068	6	3	3	0	1	1	1	0	0	0	0	2	0	1
173	BECAUSE	water	21.10269928	9	7	2	2	1	1	1	2	0	0	1	1	0	0
174	FLOOD	water	20.65480614	5	1	4	0	0	0	0	1	0	0	2	0	0	2
175	AREA	water	20.073349	12	6	6	3	1	1	1	0	0	1	0	2	1	2
176	CAUSE	water	19.83334923	5	2	3	0	1	0	0	1	0	0	1	2	0	0
177	LIGHT	water	18.14061928	5	4	1	1	0	0	0	3	0	0	0	0	1	0
178	PRIMARY	water	17.90071678	5	3	2	0	2	1	0	0	0	1	0	0	0	1
179	FISHING	water	17.90071678	5	3	2	0	0	2	1	0	0	0	1	0	1	0
180	LIKE	water	17.43984222	5	1	4	0	0	1	0	0	0	3	0	0	1	0
181	WAY	water	17.0022316	5	4	1	0	0	4	0	0	0	0	0	0	1	0
182	ACID	water	16.86116028	5	4	1	2	0	1	0	1	0	1	0	0	0	0
183	LEVEL	water	16.48433495	6	4	2	0	0	2	2	0	0	2	0	0	0	0
184	HEAVY	water	16.25360298	5	2	3	1	1	0	0	0	0	0	1	0	2	0
185	POOR	water	15.65607548	6	4	2	0	1	1	0	2	0	0	0	1	1	0
186	SAND	water	15.32875824	5	2	3	0	1	1	0	0	0	0	0	0	1	2

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	RUNNING	water	156.3308716	13	12	1	0	0	0	0	12	0	0	1	0	0	0
2	SUPPLY	water	132.8817139	12	2	10	0	0	1	0	1	0	10	0	0	0	0
3	STEAM	water	122.3709259	12	7	5	4	1	2	0	0	0	0	4	0	1	0
4	PUMP	water	107.0287247	8	5	3	1	0	0	1	3	0	2	0	0	0	1
5	TOILETS	water	94.64001465	8	4	4	0	0	3	1	0	0	1	2	1	0	0
6	FRAME	water	93.80832672	8	0	8	0	0	0	0	0	0	8	0	0	0	0
7	POWERED	water	90.81903076	7	4	3	1	0	0	3	0	0	1	0	0	1	1
8	SPINNING	water	79.79837036	7	5	2	0	3	1	1	0	0	0	0	2	0	0
9	TAP	water	69.24627686	5	1	4	0	0	0	1	0	0	2	2	0	0	0
10	PUMPS	water	69.24627686	5	3	2	0	1	1	1	0	0	1	0	0	0	1
11	SUPPLIES	water	68.60223389	7	2	5	0	0	0	2	0	0	4	1	0	0	0
12	DRINKING	water	67.03787994	5	4	1	0	0	0	0	4	0	0	1	0	0	0

13	FILLED	water	54.05238342	5	5	0	0	0	0	5	0	0	0	0	0	0	0
14	ENGINE	water	48.05535507	5	4	1	0	2	0	2	0	0	0	0	0	0	1
15	POWER	water	41.74542999	7	3	4	1	1	1	0	0	0	2	0	2	0	0
16	HOUSES	water	35.04817963	6	3	3	0	0	3	0	0	0	0	0	1	0	2
17	FOOD	water	29.93868828	5	3	2	1	0	0	2	0	0	0	2	0	0	0
18	USED	water	27.63274574	6	5	1	1	0	3	0	1	0	0	0	1	0	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	CLEAN	water	115.8376	11	9	2	0	0	0	2	7	0	0	0	2	0	0
2	SUPPLY	water	92.94547	8	3	5	1	0	1	1	0	0	4	0	0	0	1
3	POLLUTION	water	79.43426	8	0	8	0	0	0	0	0	0	8	0	0	0	0
4	SEWERAGE	water	76.50697	5	1	4	0	0	1	0	0	0	1	0	3	0	0
5	AIR	water	70.57098	7	4	3	0	0	0	2	2	0	2	0	0	1	0
6	CHEMICALS	water	60.21283	5	3	2	2	0	1	0	0	0	0	0	0	0	2
7	ACCESS	water	60.20598	6	6	0	1	2	2	1	0	0	0	0	0	0	0
8	FOOD	water	58.95941	7	6	1	0	1	3	0	2	0	1	0	0	0	0
9	DAY	water	56.49759	9	3	6	0	0	2	1	0	0	2	0	1	2	1
10	SAFE	water	46.94493	5	4	1	0	0	1	1	2	0	0	0	0	1	0
11	WASTE	water	33.13844	5	2	3	0	1	0	0	1	0	0	2	0	1	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LEVEL	water	334.8013611	25	11	14	0	0	4	7	0	0	13	0	0	0	1
2	CM	water	131.7369537	21	12	9	3	4	2	3	0	0	0	0	5	2	2
3	TANK	water	121.2345505	11	1	10	0	0	0	1	0	0	0	1	4	1	4
4	CONTAINER	water	117.3848724	10	3	7	2	1	0	0	0	0	0	0	5	0	2
5	CYLINDRICAL	water	101.5726852	9	3	6	1	2	0	0	0	0	0	0	2	2	2
6	SPHERES	water	92.48467255	8	3	5	2	0	1	0	0	0	0	0	1	2	2
7	VOLUME	water	91.25073242	12	9	3	3	1	1	4	0	0	2	0	0	1	0
8	HEIGHT	water	80.75972748	11	10	1	0	0	1	9	0	0	0	0	0	1	0
9	FILLED	water	74.13858795	6	6	0	0	0	0	6	0	0	0	0	0	0	0

10	LITRES	water	72.86067963	7	5	2	0	0	2	3	0	0	0	0	0	0	2
11	DIFFERENCE	water	70.05350494	7	6	1	0	0	0	6	0	0	0	0	0	1	0
12	CYLINDER	water	65.42873383	8	4	4	0	0	0	4	0	0	0	0	2	2	0
13	CALCULATE	water	55.40603256	11	8	3	2	6	0	0	0	0	1	1	1	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BOILING	water	838.5609131	114	96	18	3	5	28	8	52	0	3	5	4	4	2
2	VAPOUR	water	832.0215454	94	3	91	1	2	0	0	0	0	89	1	0	1	0
3	BEAKER	water	831.1626587	130	87	43	10	13	20	36	8	0	3	1	24	7	8
4	DIOXIDE	water	627.3968506	121	78	43	5	7	10	34	22	0	1	15	8	14	5
5	HARD	water	621.4568481	84	71	13	3	5	11	2	50	0	2	4	3	4	0
6	SALT	water	526.5245972	86	67	19	6	7	4	33	17	0	1	7	4	5	2
7	CARBON	water	515.9696045	111	71	40	7	7	35	21	1	0	15	8	13	1	3
8	TAP	water	509.3106995	63	43	20	4	1	8	5	25	0	6	2	5	6	1
9	TEST	water	484.693512	119	79	40	18	18	20	22	1	0	2	4	12	15	7
10	COLD	water	467.9232483	68	61	7	0	1	0	4	56	0	0	1	3	1	2
11	OXYGEN	water	467.7655945	109	60	49	12	5	16	18	9	0	9	16	11	9	4
12	AIR	water	441.6876831	114	74	40	10	11	10	30	13	0	1	5	12	14	8
13	TUBE	water	415.5900269	100	68	32	13	17	13	19	6	0	0	2	4	15	11
14	HOT	water	407.5125427	65	57	8	1	1	1	1	53	0	0	2	2	3	1
15	SOFT	water	377.9667664	53	39	14	1	1	6	2	29	0	4	4	3	2	1
16	SHOW	water	324.5860291	76	61	15	9	24	4	22	2	0	0	3	1	5	6
17	HARDNESS	water	317.7891846	44	25	19	1	1	4	18	1	0	2	10	6	1	0
18	DISSOLVED	water	305.8649292	47	24	23	8	1	5	10	0	0	1	11	4	5	2
19	HEAT	water	304.7373352	88	69	19	17	9	13	24	6	0	2	6	6	4	1
20	ICE	water	282.3742371	52	35	17	7	7	10	8	3	0	2	2	5	3	5
21	CALCIUM	water	280.2067871	54	42	12	12	11	7	10	2	0	4	3	2	0	3
22	ACID	water	267.8712769	71	35	36	9	9	12	3	2	0	4	6	7	11	8
23	HYDROGEN	water	256.1495361	58	20	38	2	4	3	10	1	0	6	7	8	9	8
24	SOIL	water	242.0830383	59	22	37	2	3	1	13	3	0	0	12	13	3	9
25	OIL	water	240.1099701	47	24	23	5	2	10	4	3	0	1	7	5	3	7
26	SOAP	water	238.6168671	37	15	22	3	3	6	3	0	0	5	3	4	6	4
27	FIG	water	237.4801178	91	12	79	5	3	4	0	0	0	28	17	18	7	9

28	BATH	water	236.3877869	27	2	25	0	0	1	1	0	0	19	0	2	3	1
29	GLASS	water	231.7469635	54	24	30	3	5	7	8	1	0	5	2	7	8	8
30	CONTAINS	water	230.2444	47	21	26	1	3	1	3	13	0	10	8	0	6	2
31	CYLINDER	water	229.7440186	37	14	23	1	2	6	4	1	0	9	1	2	7	4
32	BOILS	water	224.6520996	27	6	21	0	4	1	1	0	0	18	0	1	2	0
33	SODIUM	water	223.1944885	54	35	19	2	9	9	7	8	0	4	3	2	6	4
34	TEMPERATURE	water	217.0161133	55	38	17	3	0	32	3	0	0	2	1	5	3	6
35	BOILED	water	212.1035156	28	18	10	0	0	0	2	16	0	4	3	3	0	0
36	MINERALS	water	211.4584503	35	9	26	2	0	2	4	1	0	2	19	3	1	1
37	ELECTROLYSIS	water	207.9055023	27	20	7	2	0	1	17	0	0	0	6	0	1	0
38	CHLORIDE	water	207.6952362	45	34	11	5	4	8	10	7	0	0	3	4	2	2
39	LEVEL	water	205.0588837	49	26	23	2	2	10	12	0	0	14	1	2	3	3
40	FLOATS	water	204.062561	28	22	6	2	1	1	18	0	0	0	1	4	1	0
41	FORM	water	201.0392151	53	21	32	2	6	4	5	4	0	2	13	3	7	7
42	STEAM	water	192.8481903	31	8	23	2	5	0	1	0	0	4	7	6	4	2
43	EXPERIMENT	water	187.8679352	64	26	38	15	8	1	2	0	0	9	9	4	10	6
44	MOLECULES	water	184.4533234	40	13	27	3	1	1	7	1	0	19	0	1	3	4
45	ROOTS	water	183.7905121	32	10	22	5	0	3	2	0	0	0	3	9	3	7
46	EVAPORATES	water	182.6365662	22	5	17	1	1	1	0	2	0	14	1	1	1	0
47	METHYLATED	water	182.3056488	25	6	19	1	0	2	3	0	0	4	9	2	2	2
48	PURE	water	182.1604462	30	25	5	0	1	0	0	24	0	0	2	0	2	1
49	LIQUID	water	180.4673004	51	35	16	2	4	5	13	11	0	0	1	8	4	3
50	LATHER	water	179.0138092	26	9	17	2	1	4	2	0	0	0	0	7	4	6
51	ML	water	178.7870331	27	22	5	1	0	2	18	1	0	0	0	2	3	0
52	GAS	water	178.4325562	57	32	25	4	10	8	8	2	0	3	5	6	9	2
53	POINT	water	178.1383972	39	36	3	0	0	5	31	0	0	0	1	1	1	0
54	SAMPLES	water	177.486496	29	15	14	1	3	2	9	0	0	13	0	0	1	0
55	SOLUTION	water	174.3432007	52	24	28	10	7	5	1	1	0	3	3	4	6	12
56	FREEZING	water	167.1060486	24	14	10	3	2	4	2	3	0	2	4	4	0	0
57	FORMS	water	164.9901123	31	7	24	3	1	2	1	0	0	9	8	1	5	1
58	BOIL	water	161.4768524	20	14	6	2	2	1	5	4	0	0	2	1	0	3
59	F	water	159.0475311	35	14	21	3	2	3	1	5	0	6	3	4	2	6
60	O	water	158.5784149	37	15	22	2	3	3	5	2	0	8	5	3	2	4
61	SAND	water	156.2895508	28	20	8	5	0	5	10	0	0	0	4	4	0	0
62	C	water	153.95961	53	20	33	6	2	5	2	5	0	5	1	12	11	4
63	THERMOMETER	water	153.0158081	33	18	15	4	5	5	1	3	0	3	1	6	1	4

64	DENSITY	water	151.7588196	35	22	13	4	2	1	15	0	0	4	1	4	1	3
65	FLASK	water	150.432785	36	23	13	3	3	10	4	3	0	0	2	5	2	4
66	TREATMENT	water	147.3074188	19	10	9	1	3	3	3	0	0	7	2	0	0	0
67	ALCOHOL	water	147.1832275	26	14	12	3	2	2	7	0	0	1	5	1	5	0
68	TROUGH	water	146.5061798	18	4	14	1	0	0	2	1	0	11	1	1	1	0
69	REACT	water	142.9756622	27	22	5	4	5	7	6	0	0	0	0	2	2	1
70	LEAF	water	142.1530151	30	21	9	2	7	5	6	1	0	0	1	2	4	2
71	SOLUBLE	water	139.195343	22	20	2	1	0	1	18	0	0	2	0	0	0	0
72	SPIRITS	water	137.5305786	17	4	13	0	1	0	1	2	0	0	3	7	1	2
73	BASIN	water	136.9809265	19	13	6	2	1	5	4	1	0	1	1	2	0	2
74	E	water	136.7469482	51	25	26	3	4	10	6	2	0	9	6	6	3	2
75	CONTAINER	water	135.9600677	21	9	12	1	1	2	4	1	0	0	1	7	3	1
76	DISSOLVES	water	135.7558441	20	16	4	3	0	1	12	0	0	0	1	0	3	0
77	FILLED	water	134.9714203	22	21	1	2	0	4	15	0	0	0	0	0	1	0
78	SAMPLE	water	132.9496002	30	9	21	0	1	7	1	0	0	13	0	2	3	3
79	G	water	132.8437958	46	24	22	2	3	4	9	6	0	0	8	10	3	1
80	FREEZES	water	132.1733704	17	1	16	0	0	0	1	0	0	8	0	2	5	1
81	PAPER	water	128.3179779	42	23	19	2	6	11	1	3	0	1	2	4	6	6
82	POUR	water	126.3950882	21	19	2	5	4	4	3	3	0	0	1	0	1	0
83	II	water	125.2817764	35	15	20	4	3	3	2	3	0	3	6	3	4	4
84	FLOAT	water	120.2451859	19	13	6	0	1	4	8	0	0	0	2	2	1	1
85	SOLVENT	water	119.7893143	20	7	13	0	0	3	1	3	0	1	1	4	4	3
86	RAIN	water	118.9383011	26	21	5	0	1	3	2	15	0	0	0	1	3	1
87	CONCLUSION	water	118.1790848	29	28	1	7	6	5	5	5	0	0	0	0	0	1
88	COLOURED	water	117.9735794	20	15	5	0	0	0	0	15	0	3	1	0	1	0
89	SALTS	water	117.0523453	19	4	15	1	1	0	1	1	0	0	8	2	1	4
90	TURNS	water	116.1985245	27	6	21	1	0	4	1	0	0	10	4	1	4	2
91	HYDROXIDE	water	116.1707993	25	8	17	2	1	4	1	0	0	1	7	5	1	3
92	CONTAINING	water	115.9240036	24	17	7	0	3	2	5	7	0	3	0	0	1	3
93	COPPER	water	115.7853317	37	25	12	7	4	10	2	2	0	4	2	1	3	2
94	BOTTLE	water	115.0918655	23	17	6	5	1	5	5	1	0	1	1	0	2	2
95	PLANT	water	114.5070343	42	21	21	1	2	7	8	3	0	2	4	9	3	3
96	LITHIUM	water	113.7826538	20	9	11	1	3	0	2	3	0	6	0	3	0	2
97	LAKES	water	113.5950089	14	2	12	0	1	1	0	0	0	1	0	2	3	6
98	POTASSIUM	water	112.9439011	23	11	12	2	3	1	1	4	0	4	0	2	5	1
99	DROPS	water	112.2473984	21	16	5	2	0	3	11	0	0	1	0	0	4	0
100	AMOUNT	water	111.6417313	29	27	2	0	1	2	24	0	0	0	0	0	0	2
101	SUGAR	water	111.0205078	25	12	13	3	1	3	5	0	0	5	2	4	1	1

102	ADD	water	108.7575455	26	25	1	7	5	4	7	2	0	1	0	0	0	0
103	REACTS	water	108.6016083	20	13	7	1	8	2	2	0	0	2	3	0	0	2
104	B	water	108.5852356	44	23	21	4	3	6	3	7	0	10	1	5	2	3
105	FILL	water	108.2634506	25	24	1	11	10	1	2	0	0	0	0	0	1	0
106	BURNER	water	107.2762756	27	18	9	6	3	1	4	4	0	0	2	2	4	1
107	USED	water	105.8286057	50	30	20	9	7	13	0	1	0	1	4	2	11	2
108	GRADUATED	water	105.7826385	19	9	10	1	5	2	1	0	0	1	1	6	2	0
109	RESULT	water	105.7440872	32	26	6	5	3	1	15	2	0	2	1	1	1	1
110	VOLUME	water	105.4051743	30	20	10	2	2	4	12	0	0	0	1	3	2	4
111	DENSE	water	104.7730789	17	12	5	1	1	1	7	2	0	0	1	1	1	2
112	SEA	water	104.0480804	20	13	7	0	2	0	1	10	0	2	1	3	0	1
113	SEAWATER	water	103.8936005	14	4	10	0	2	0	1	1	0	1	3	2	0	4
114	ADDED	water	103.4404297	20	13	7	0	1	11	1	0	0	1	5	0	1	0
115	EVAPORATE	water	101.9633026	14	3	11	0	0	0	3	0	0	2	6	2	0	1
116	EQUATION	water	101.8539581	21	8	13	2	3	2	1	0	0	0	4	3	4	2
117	SMALL	water	101.2472763	35	23	12	5	4	13	1	0	0	1	1	3	2	5
118	PLACE	water	100.3421326	40	31	9	12	8	3	6	2	0	0	6	1	1	1
119	CYCLE	water	100.0917892	18	6	12	2	1	2	0	1	0	12	0	0	0	0
120	TANK	water	99.52520752	13	3	10	0	0	2	1	0	0	2	4	1	2	1
121	EASILY	water	96.62229919	23	5	18	3	1	1	0	0	0	0	2	3	8	5
122	LEAVES	water	96.44313812	26	8	18	3	1	0	3	1	0	1	0	8	4	5
123	JAR	water	96.44313812	26	16	10	2	1	5	5	3	0	0	2	2	6	0
124	EXPLANATION	water	95.41898346	22	9	13	1	4	2	2	0	0	0	8	0	2	3
125	VIGOROUSLY	water	95.34909821	13	7	6	1	0	4	2	0	0	0	1	3	1	1
126	OBTAIN	water	94.61846924	15	10	5	3	1	4	2	0	0	0	2	0	1	2
127	INSOLUBLE	water	94.02410126	14	10	4	1	0	1	8	0	0	0	2	0	0	2
128	MIXTURE	water	92.99532318	24	18	6	3	13	0	2	0	0	1	3	2	0	0
129	STRAW	water	91.4201355	14	9	5	2	0	2	1	4	0	0	1	2	0	2
130	SURFACE	water	89.90875244	26	17	9	1	5	7	4	0	0	0	0	3	5	1
131	USING	water	89.33922577	33	13	20	1	3	1	2	6	0	7	2	3	3	5
132	TOP	water	88.72166443	22	6	16	1	1	4	0	0	0	0	1	10	4	1
133	DISSOLVE	water	87.75701141	17	7	10	0	0	3	4	0	0	0	3	1	3	3
134	STAND	water	87.40557098	23	14	9	0	3	6	3	2	0	0	1	0	6	2
135	PRESENCE	water	82.96936035	19	12	7	0	1	0	11	0	0	0	0	0	0	7
136	TRIPOD	water	82.13423157	16	9	7	2	5	1	1	0	0	2	1	2	2	0
137	EVAPORATING	water	81.59939575	15	7	8	3	3	0	0	1	0	3	1	2	0	2
138	MOLECULE	water	80.97528076	16	8	8	0	1	1	6	0	0	7	0	0	1	0
139	RESIN	water	80.23582458	11	5	6	3	0	0	2	0	0	0	0	0	2	4

140	DRINKING	water	79.25515747	12	9	3	0	0	1	4	4	0	0	1	1	0	1
141	CONDENSES	water	78.44645691	11	3	8	1	1	0	0	1	0	1	2	0	3	2
142	CARBONATE	water	78.31897736	15	12	3	7	1	0	1	3	0	0	2	1	0	0
143	WARMTH	water	78.00045013	12	3	9	0	3	0	0	0	0	1	7	1	0	0
144	HALF	water	76.74314117	16	15	1	6	2	7	0	0	0	0	0	1	0	0
145	TUBES	water	76.71747589	21	14	7	6	1	3	4	0	0	0	0	0	3	4
146	SIMPLE	water	76.57062531	25	12	13	6	2	3	0	1	0	8	0	2	3	0
147	DETECTOR	water	75.75124359	8	1	7	0	0	1	0	0	0	0	7	0	0	0
148	BUNSEN	water	75.62011719	22	11	11	3	1	3	4	0	0	2	2	4	1	2
149	APPARATUS	water	75.01746368	27	4	23	3	0	0	1	0	0	8	1	5	5	4
150	RISES	water	74.57936859	14	1	13	0	0	0	1	0	0	9	2	1	0	1
151	SULFATE	water	73.89783478	17	12	5	2	3	1	6	0	0	0	1	3	1	0
152	DIFFERENT	water	73.8154068	30	18	12	2	2	8	0	6	0	0	4	2	1	5
153	LARGE	water	73.57563782	23	13	10	4	3	4	2	0	0	0	1	1	1	7
154	TRANSPIRATION	water	73.23490906	15	15	0	8	3	3	1	0	0	0	0	0	0	0
155	FLOW	water	72.74877167	21	8	13	0	0	0	8	0	0	3	8	1	0	1
156	SINK	water	72.5973587	12	9	3	1	1	0	6	1	0	0	0	2	1	0
157	SPRING	water	72.39051056	17	11	6	1	1	2	0	7	0	0	2	1	1	2
158	EXCHANGE	water	72.39048004	13	3	10	0	0	3	0	0	0	0	0	4	4	2
159	CONVECTION	water	70.29639435	15	10	5	1	2	7	0	0	0	0	1	2	1	1
160	GLUCOSE	water	70.25920105	17	4	13	2	2	0	0	0	0	3	4	4	1	1
161	FILTRATION	water	69.88204956	12	3	9	1	0	0	1	1	0	1	7	0	0	1
162	RIVER	water	68.56764984	10	6	4	0	0	1	1	4	0	2	0	0	2	0
163	RAINWATER	water	68.23712921	12	7	5	1	1	3	2	0	0	3	0	1	1	0
164	H	water	68.0306778	19	7	12	1	1	2	3	0	0	5	3	2	1	1
165	SEPARATE	water	67.50637054	16	11	5	3	3	4	0	1	0	0	0	0	3	2
166	RIVERS	water	67.4573822	12	2	10	1	0	1	0	0	0	0	2	3	4	1
167	CONDUCT	water	67.05570221	13	3	10	2	0	0	0	1	0	1	3	3	1	2
168	CURRENTS	water	65.97410583	12	9	3	1	0	1	7	0	0	0	0	0	2	1
169	BASES	water	65.2973938	14	9	5	5	0	2	2	0	0	1	1	0	2	1
170	BECAUSE	water	65.26643372	24	13	11	1	1	2	4	5	0	6	0	0	4	1
171	SOLIDS	water	64.92060852	17	9	8	1	5	0	2	1	0	0	0	7	0	1
172	ABSORB	water	63.43270493	10	8	2	1	1	0	1	5	0	0	0	0	0	2
173	LOST	water	63.35585022	11	1	10	1	0	0	0	0	0	2	6	1	0	1
174	PIECE	water	63.17409515	20	9	11	6	0	0	3	0	0	1	1	5	3	1
175	PRESSURE	water	62.91308594	26	13	13	4	0	7	1	1	0	1	2	4	3	3
176	EVAPORATION	water	62.64315796	12	4	8	0	1	0	3	0	0	0	3	0	3	2
177	STORAGE	water	62.34139252	10	3	7	0	1	0	0	2	0	4	1	2	0	0

178	COTTON	water	62.28832245	15	9	6	1	2	3	3	0	0	1	0	1	2	2
179	FULL	water	62.26797485	14	14	0	0	0	1	13	0	0	0	0	0	0	0
180	AMOUNTS	water	61.60295868	15	12	3	1	2	5	4	0	0	0	1	1	1	0
181	GAUZE	water	61.22684479	13	6	7	1	2	2	1	0	0	0	3	3	0	1
182	IONS	water	60.7934761	16	13	3	1	5	6	1	0	0	0	0	1	1	1
183	REACTION	water	60.67284393	18	10	8	1	2	2	5	0	0	3	0	0	1	4
184	REMOVES	water	60.33142471	10	4	6	1	0	1	0	2	0	6	0	0	0	0
185	RISE	water	59.74230957	12	5	7	4	0	1	0	0	0	0	5	0	1	1
186	ALLOW	water	59.15200043	18	12	6	0	2	1	4	5	0	0	3	3	0	0
187	WOOL	water	59.13388824	16	11	5	1	1	2	4	3	0	0	2	0	1	2
188	HOLD	water	58.71771622	15	11	4	1	0	3	3	4	0	0	3	0	0	1
189	ABSORBED	water	58.26192474	11	1	10	0	0	1	0	0	0	2	5	3	0	0
190	HYDROCHLORIC	water	58.23997498	17	8	9	1	3	2	2	0	0	0	2	3	4	0
191	POOR	water	57.62669373	11	1	10	0	1	0	0	0	0	0	0	10	0	0
192	PREVENTS	water	57.62669373	11	9	2	2	0	3	1	3	0	1	0	0	1	0
193	PROCEDURE	water	57.52875137	15	1	14	0	0	1	0	0	0	2	2	5	4	1
194	COMPOUND	water	56.81490707	16	8	8	0	0	3	3	2	0	0	0	6	1	1
195	EXTENT	water	56.80923462	6	5	1	2	0	0	3	0	0	0	0	1	0	0
196	CRRR	water	56.75261688	9	4	5	0	0	0	4	0	0	0	0	1	4	0
197	SHELF	water	56.75261688	9	5	4	1	0	2	0	2	0	0	0	3	1	0
198	CONDUCTOR	water	56.69496536	12	1	11	0	0	1	0	0	0	0	0	0	11	0
199	DISH	water	55.0397644	13	10	3	1	1	3	5	0	0	0	1	1	1	0
200	CONTACT	water	54.71483994	11	7	4	3	2	0	2	0	0	0	2	0	1	1
201	PARAFFIN	water	54.68091583	9	4	5	2	1	0	1	0	0	1	1	1	2	0
202	EQUAL	water	53.98152161	14	10	4	1	5	4	0	0	0	1	3	0	0	0
203	WARM	water	53.63038635	13	12	1	2	0	1	1	8	0	0	0	1	0	0
204	COBALT	water	53.63038635	13	4	9	0	1	3	0	0	0	1	3	2	1	2
205	LIQUIDS	water	53.55300903	16	10	6	1	0	2	5	2	0	1	0	4	1	0
206	L	water	53.5250473	20	8	12	2	1	3	2	0	0	2	4	1	2	3
207	STONE	water	52.83195877	14	11	3	0	0	4	2	5	0	1	1	1	0	0
208	REMOVED	water	52.78916931	12	8	4	0	2	2	4	0	0	0	1	1	0	2
209	CLEAR	water	52.65055084	11	7	4	2	0	0	1	4	0	0	1	1	1	1
210	DILUTE	water	52.51290894	15	6	9	1	3	2	0	0	0	1	3	3	1	1
211	CUP	water	52.40174866	8	6	2	0	0	1	5	0	0	1	0	1	0	0
212	RED	water	51.84308243	18	8	10	3	1	2	0	2	0	2	3	2	2	1
213	SUPPLY	water	51.56916046	15	8	7	0	0	1	5	2	0	6	0	0	0	1
214	T	water	51.51249695	18	7	11	0	0	2	2	3	0	1	2	5	1	2
215	PLACED	water	51.35127258	13	12	1	4	0	5	3	0	0	0	0	0	1	0

216	SUBSTANCES	water	51.33061981	19	11	8	2	4	1	3	1	0	0	1	1	2	4
217	CHEMICALS	water	50.77999878	17	2	15	0	1	0	0	1	0	0	3	8	1	3
218	PLANTS	water	50.22229767	29	11	18	3	7	0	0	1	0	3	6	4	0	5
219	TEMPERATURES	water	49.68815613	10	2	8	0	0	1	0	1	0	0	1	5	2	0
220	CLOCK	water	49.65191269	9	1	8	0	0	1	0	0	0	2	0	2	4	0
221	COOL	water	49.135952	12	9	3	2	2	0	5	0	0	0	0	1	1	1
222	AREAS	water	48.94150162	9	6	3	1	1	1	3	0	0	0	0	2	0	1
223	FLUORIDE	water	48.44086456	7	7	0	3	2	2	0	0	0	0	0	0	0	0
224	SAME	water	48.27616501	20	10	10	2	5	3	0	0	0	1	1	4	2	2
225	CONICAL	water	48.25439072	11	5	6	0	1	3	1	0	0	1	0	3	1	1
226	R	water	48.18781281	16	6	10	2	2	0	1	1	0	3	5	0	0	2
227	FUNNEL	water	48.15005112	12	6	6	2	0	2	2	0	0	0	0	3	1	2
228	BRIM	water	47.84715271	6	6	0	0	0	0	6	0	0	0	0	0	0	0
229	EXCRETE	water	47.84715271	6	5	1	1	1	1	0	2	0	0	0	0	1	0
230	LOSS	water	47.47942352	11	9	2	0	0	0	9	0	0	2	0	0	0	0
231	DEIONISED	water	47.33928299	5	5	0	0	0	0	0	5	0	0	0	0	0	0
232	STREAM	water	47.15683746	8	7	1	0	2	0	5	0	0	0	0	0	0	1
233	PIPES	water	47.15683746	8	2	6	1	0	1	0	0	0	4	0	0	1	1
234	STATE	water	47.11288452	13	7	6	1	3	2	0	1	0	0	2	0	1	3
235	COOLED	water	47.10289764	11	2	9	0	1	0	1	0	0	1	4	2	1	1
236	III	water	47.09885788	14	8	6	2	1	1	1	3	0	2	1	1	1	1
237	BEEHIVE	water	46.99520493	7	4	3	0	2	0	2	0	0	0	2	1	0	0
238	DOMESTIC	water	46.99520493	7	5	2	0	0	0	5	0	0	0	1	0	1	0
239	SULPHURIC	water	46.97335815	9	4	5	0	2	2	0	0	0	2	0	2	1	0
240	POLLUTION	water	46.90210342	12	3	9	0	0	1	0	2	0	8	0	1	0	0
241	ION	water	46.85636902	13	2	11	0	2	0	0	0	0	0	4	4	2	1
242	LITMUS	water	46.44192505	14	4	10	0	2	2	0	0	0	0	2	3	4	1
243	PEROXIDE	water	46.29550171	8	4	4	2	1	0	0	1	0	1	0	3	0	0
244	FILTER	water	45.66402054	11	5	6	1	4	0	0	0	0	0	0	1	4	1
245	RELEASING	water	45.4048996	6	4	2	1	1	1	0	1	0	0	1	1	0	0
246	UNUSUAL	water	45.4048996	6	3	3	1	0	2	0	0	0	0	0	1	1	1
247	PRESENT	water	44.37434769	14	4	10	0	1	0	2	1	0	0	4	5	0	1
248	J	water	44.34098816	16	8	8	0	2	3	2	1	0	2	0	1	2	3
249	SEEDS	water	44.18596268	16	7	9	0	1	2	4	0	0	1	3	3	1	1
250	RUSTING	water	44.11753464	10	0	10	0	0	0	0	0	0	0	1	1	6	2
251	SKIN	water	44.068573	12	8	4	2	0	4	2	0	0	0	0	0	2	2
252	DISTILLATION	water	43.97197723	8	2	6	0	1	0	1	0	0	0	5	0	0	1
253	INK	water	43.61604691	9	5	4	0	2	1	1	1	0	0	2	1	1	0

254	MAKES	water	43.37266922	11	5	6	0	1	1	0	3	0	3	1	0	0	2
255	EXPANDS	water	42.63144684	9	0	9	0	0	0	0	0	0	9	0	0	0	0
256	COOLS	water	42.60071182	8	1	7	0	0	1	0	0	0	2	3	0	1	1
257	FRESH	water	42.60071182	8	8	0	0	0	0	0	8	0	0	0	0	0	0
258	MOVES	water	42.46680069	11	1	10	0	0	0	0	1	0	7	0	1	1	1
259	RESPIRATION	water	42.2915802	14	5	9	0	2	0	3	0	0	0	1	3	4	1
260	BOTTOM	water	42.2583046	13	3	10	1	1	1	0	0	0	0	0	8	1	1
261	TAKEN	water	42.04738617	12	6	6	1	1	2	2	0	0	0	4	0	0	2
262	DROPLETS	water	41.48332214	7	5	2	0	0	0	5	0	0	2	0	0	0	0
263	BOTTOMED	water	41.34415817	8	5	3	0	3	1	1	0	0	0	1	0	1	1
264	SEPARATING	water	41.34415817	8	6	2	0	3	3	0	0	0	0	1	0	0	1
265	METALS	water	40.95106125	20	16	4	3	4	4	5	0	0	1	1	1	1	0
266	URINE	water	40.75328827	8	7	1	2	1	2	1	1	0	0	0	0	0	1
267	COLLECT	water	40.49741745	10	9	1	3	2	2	2	0	0	1	0	0	0	0
268	LOWER	water	40.49741745	10	4	6	1	1	2	0	0	0	0	0	2	3	1
269	SOLUBILITY	water	40.27954483	6	6	0	4	1	0	1	0	0	0	0	0	0	0
270	RESERVOIR	water	40.27954483	6	3	3	1	0	1	0	1	0	0	0	1	1	1
271	FLOWS	water	39.85299301	10	0	10	0	0	0	0	0	0	6	0	2	0	2
272	PASSED	water	39.5831337	9	2	7	0	0	0	2	0	0	0	3	2	2	0
273	PRODUCED	water	39.52727127	13	2	11	0	1	1	0	0	0	1	8	0	0	2
274	CHEMICAL	water	39.48538589	19	3	16	0	1	2	0	0	0	4	2	6	2	2
275	MATERIALS	water	39.17270279	18	16	2	4	3	7	2	0	0	1	0	1	0	0
276	PUT	water	39.13230133	12	10	2	3	2	3	2	0	0	0	0	0	1	1
277	EXCRETES	water	38.99880219	5	3	2	0	0	0	2	1	0	0	0	0	0	2
278	WASTE	water	38.7215271	11	5	6	2	2	1	0	0	0	0	1	2	1	2
279	SOLID	water	38.63273239	15	11	4	3	3	5	0	0	0	0	1	1	1	1
280	D	water	38.0405426	16	10	6	2	3	2	0	3	0	4	1	0	0	1
281	CONSISTS	water	37.76475906	10	6	4	1	0	2	3	0	0	3	1	0	0	0
282	FLOWING	water	37.62876892	8	4	4	0	0	1	2	1	0	4	0	0	0	0
283	SOLUTIONS	water	37.01234818	9	4	5	0	2	1	1	0	0	1	2	0	0	2
284	ATMOSPHERE	water	37.01234818	9	1	8	0	0	1	0	0	0	0	0	7	1	0
285	SUPPLIES	water	36.94964218	7	1	6	1	0	0	0	0	0	5	0	1	0	0
286	COMPOSITION	water	36.94964218	7	7	0	1	0	1	5	0	0	0	0	0	0	0
287	NECESSARY	water	36.94000244	10	2	8	0	2	0	0	0	0	0	5	1	1	1
288	MEASURE	water	36.93961716	13	12	1	8	4	0	0	0	0	0	0	0	1	0
289	UREA	water	36.77764893	6	3	3	0	0	1	0	2	0	0	3	0	0	0
290	SCUM	water	36.77764893	6	4	2	2	0	0	2	0	0	0	0	1	0	1
291	DISADVANTAGES	water	36.77764893	6	5	1	0	0	5	0	0	0	0	1	0	0	0

292	CRYSTALS	water	36.67610168	9	2	7	0	0	1	1	0	0	1	1	1	4	0
293	VARIOUS	water	36.58214188	12	9	3	1	2	2	0	4	0	1	1	0	0	1
294	PHOTOSYNTHESIS	water	36.43388367	11	8	3	1	6	0	0	1	0	0	2	0	0	1
295	STEM	water	36.34669113	9	3	6	1	0	2	0	0	0	0	0	2	2	2
296	DROP	water	36.34669113	9	6	3	1	1	1	3	0	0	0	1	1	0	1
297	NEUTRAL	water	36.2196579	11	9	2	5	1	3	0	0	0	1	0	1	0	0
298	REMOVE	water	36.21701431	12	8	4	2	1	3	1	1	0	0	1	0	0	3
299	WIRE	water	36.15582275	15	4	11	1	3	0	0	0	0	3	3	2	2	1
300	ABSORPTION	water	35.81561661	6	5	1	0	0	0	5	0	0	0	0	0	1	0
301	XYLEM	water	35.72941971	7	4	3	1	1	2	0	0	0	0	0	0	1	2
302	PLASTIC	water	35.33250427	12	7	5	1	2	1	3	0	0	1	0	3	1	0
303	LIMEWATER	water	35.33250427	12	5	7	0	1	2	2	0	0	3	2	1	1	0
304	CONTAIN	water	35.33250427	12	5	7	2	0	1	0	2	0	0	3	3	1	0
305	PINK	water	35.15944672	7	5	2	1	2	0	2	0	0	0	0	2	0	0
306	CALLED	water	34.36095428	25	12	13	4	3	1	4	0	0	1	8	2	1	1
307	LITTLE	water	33.92927933	9	8	1	0	3	1	0	4	0	0	0	0	1	0
308	SEPARATED	water	33.91374207	8	2	6	0	0	0	2	0	0	0	0	2	1	3
309	COLLECTED	water	33.91374207	8	2	6	0	0	0	2	0	0	1	1	2	0	2
310	LEAVE	water	33.83399582	12	3	9	0	1	1	1	0	0	1	4	1	3	0
311	ZINC	water	33.83399582	12	6	6	1	4	0	1	0	0	2	1	1	1	1
312	ALLOWS	water	33.75722504	10	10	0	2	1	3	2	2	0	0	0	0	0	0
313	STAGES	water	33.58523941	7	4	3	1	0	3	0	0	0	0	0	0	1	2
314	EVAPORATED	water	33.56457138	5	1	4	0	1	0	0	0	0	0	2	2	0	0
315	RINSE	water	33.56457138	5	5	0	1	3	0	1	0	0	0	0	0	0	0
316	SOAK	water	33.3396759	6	6	0	4	0	1	1	0	0	0	0	0	0	0
317	OÂ	water	33.3396759	6	1	5	0	1	0	0	0	0	0	3	2	0	0
318	LITRES	water	33.3396759	6	5	1	0	0	0	5	0	0	0	0	0	1	0
319	MOVING	water	33.31568527	10	6	4	0	1	2	0	3	0	3	1	0	0	0
320	TUBING	water	32.85961151	8	7	1	3	0	1	1	2	0	0	0	0	0	1
321	SHOWS	water	32.7432518	12	7	5	0	3	0	4	0	0	2	1	0	1	1
322	INSTEAD	water	32.63265228	7	3	4	0	0	0	3	0	0	3	1	0	0	0
323	SPIRIT	water	32.62163162	6	2	4	0	0	0	1	1	0	0	1	2	1	0
324	TAKE	water	32.29901886	13	10	3	5	1	0	2	2	0	0	2	0	1	0
325	EXCELLENT	water	32.28695679	5	1	4	0	1	0	0	0	0	0	0	3	0	1
326	SLOWLY	water	32.07866287	9	4	5	0	2	1	1	0	0	1	2	1	0	1
327	DEMONSTRATE	water	32.04218292	11	7	4	0	4	1	2	0	0	0	0	0	3	1
328	SWEAT	water	31.94651985	6	5	1	1	1	0	0	3	0	0	0	1	0	0
329	CRESS	water	31.94651985	6	3	3	0	3	0	0	0	0	2	1	0	0	0

330	CAUSES	water	31.87322235	11	6	5	1	0	2	0	3	0	2	1	0	2	0
331	SYSTEMS	water	31.30956841	6	0	6	0	0	0	0	0	0	4	1	0	0	1
332	FIND	water	31.29216766	17	9	8	6	2	1	0	0	0	0	3	0	1	4
333	HEATS	water	31.1621685	5	1	4	0	0	0	1	0	0	1	1	0	0	2
334	BLUE	water	30.7993679	13	4	9	1	2	0	1	0	0	0	2	1	4	2
335	CHANGES	water	30.73188591	12	5	7	1	1	1	2	0	0	5	0	1	1	0
336	INSIDE	water	30.57593346	11	1	10	0	0	1	0	0	0	1	0	3	2	4
337	MAGNESIUM	water	30.56006432	13	6	7	2	1	1	2	0	0	1	4	0	1	1
338	ELECTRODE	water	30.51996803	7	3	4	1	1	0	1	0	0	1	2	0	0	1
339	ATTRACTED	water	30.51996803	7	0	7	0	0	0	0	0	0	1	3	1	2	0
340	HOMES	water	30.15721512	5	1	4	0	0	1	0	0	0	0	0	3	1	0
341	PASSING	water	30.13623428	7	4	3	0	0	0	4	0	0	1	1	0	1	0
342	USUALLY	water	29.66152954	11	9	2	1	1	7	0	0	0	2	0	0	0	0
343	WATER	water		3239	175	174	46	40	36	36	17	2890	17	35	36	40	46
344	FOOD	water	29.48332596	25	9	16	0	2	2	3	2	0	1	3	6	3	3
345	ACIDIC	water	29.28098869	8	5	3	1	0	1	0	3	0	1	1	1	0	0
346	BREAK	water	29.28098869	8	5	3	1	0	2	2	0	0	0	1	1	0	1
347	EXTINGUISHER	water	29.24891663	5	1	4	1	0	0	0	0	0	1	3	0	0	0
348	STORED	water	29.13349533	9	2	7	0	0	2	0	0	0	1	4	2	0	0
349	DISTILLED	water		31	27	4	1	1	0	1	24	0	1	2	1	0	0
350	MUDDY	water		5	4	1	0	0	0	0	4	0	0	0	0	0	1
351	READ	water	29.01990128	8	6	2	5	1	0	0	0	0	0	2	0	0	0
352	NORMAL	water	29.01990128	8	6	2	1	0	0	4	1	0	0	2	0	0	0
353	SULPHATE	water	28.76359367	8	3	5	1	1	0	1	0	0	0	2	1	2	0
354	LAYER	water	28.76359367	8	5	3	4	0	1	0	0	0	0	0	3	0	0
355	LEAD	water	28.76011848	10	4	6	0	1	0	2	1	0	0	0	2	2	2
356	METHANE	water	28.5755558	6	2	4	1	1	0	0	0	0	1	0	2	0	1
357	SHOWN	water	28.46906281	17	1	16	0	1	0	0	0	0	0	13	2	0	1
358	PRODUCING	water	28.42032242	5	2	3	0	0	0	0	2	0	1	0	0	0	2
359	TESTING	water	28.37436295	7	3	4	1	0	0	0	2	0	0	2	0	1	1
360	EXPANSION	water	28.37436295	7	6	1	0	0	0	6	0	0	0	0	0	0	1
361	HEATED	water	28.3735218	11	5	6	0	0	3	0	2	0	1	2	1	1	1
362	IMPORTANT	water	28.26959038	10	3	7	0	0	3	0	0	0	0	1	3	3	0
363	CARD	water	28.1008606	6	2	4	1	0	1	0	0	0	0	0	1	1	2
364	PROTEINS	water	28.04968452	7	4	3	0	3	1	0	0	0	1	1	0	0	1
365	MASS	water	27.89429474	16	12	4	5	2	3	2	0	0	0	0	0	3	1
366	CARBONIC	water	27.65863037	5	1	4	0	0	1	0	0	0	3	1	0	0	0
367	MANGANESE	water	27.64566231	6	2	4	1	1	0	0	0	0	2	0	0	2	0

368	MOVEMENT	water	27.63780022	10	8	2	0	0	1	7	0	0	2	0	0	0	0
369	MATERIAL	water	27.48364067	10	5	5	1	1	2	1	0	0	2	1	0	0	2
370	CONSTANT	water	27.42451477	7	6	1	0	0	5	0	1	0	0	0	0	0	1
371	ALKALI	water	27.38266945	9	8	1	2	2	4	0	0	0	0	1	0	0	0
372	MILK	water	27.38266945	9	2	7	1	0	0	0	1	0	1	1	2	2	1
373	BROKEN	water	27.09066582	8	0	8	0	0	0	0	0	0	0	2	4	2	0
374	DISSOLVING	water	26.95392609	5	5	0	0	2	2	1	0	0	0	0	0	0	0
375	ELECTRICITY	water	26.65860367	15	5	10	1	3	1	0	0	0	0	3	3	3	1
376	CLEAN	water	26.54185104	7	2	5	0	0	0	0	2	0	0	1	3	1	0
377	CORK	water	26.54185104	7	6	1	1	1	4	0	0	0	0	0	0	1	0
378	TURNED	water	26.38293266	6	2	4	1	0	1	0	0	0	1	1	1	0	1
379	ALLOWING	water	26.29836655	5	5	0	1	1	0	3	0	0	0	0	0	0	0
380	IL	water	26.29836655	5	1	4	0	1	0	0	0	0	1	2	0	0	1
381	RETORT	water	25.98143959	9	7	2	1	3	3	0	0	0	0	0	2	0	0
382	PLENTY	water	25.68563843	5	3	2	3	0	0	0	0	0	1	0	1	0	0
383	PIPE	water	25.68563843	5	2	3	1	1	0	0	0	0	0	1	1	0	1
384	EXACTLY	water	25.61523056	6	5	1	0	5	0	0	0	0	0	1	0	0	0
385	SPOT	water	25.61523056	6	5	1	0	0	1	3	1	0	0	1	0	0	0
386	ALKALIS	water	25.11057663	5	0	5	0	0	0	0	0	0	1	0	4	0	0
387	POISONOUS	water	25.11057663	5	3	2	2	1	0	0	0	0	0	0	1	0	1
388	COVER	water	25.00730896	8	3	5	0	2	0	1	0	0	0	1	2	1	1
389	ENERGY	water	24.99755478	30	20	10	3	5	4	4	4	0	2	2	2	2	2
390	SHAKE	water	24.89805603	6	1	5	0	1	0	0	0	0	0	5	0	0	0
391	METAL	water	24.84365463	13	7	6	0	2	3	2	0	0	1	0	2	3	0
392	HEATING	water	24.54977798	9	3	6	1	1	0	0	1	0	2	2	1	0	1
393	PREVENT	water	24.44022179	8	5	3	0	1	2	1	1	0	0	0	2	1	0
394	BODY	water	24.33118439	15	10	5	1	3	4	1	1	0	0	0	4	1	0
395	COLLECTING	water	24.05704117	5	3	2	0	1	0	2	0	0	2	0	0	0	0
396	FALLS	water	23.90419388	6	1	5	1	0	0	0	0	0	2	1	0	2	0
397	TRANSPORT	water	23.90419388	6	6	0	0	0	2	2	2	0	0	0	0	0	0
398	PRODUCE	water	23.81161308	9	4	5	3	0	0	0	1	0	0	3	1	1	0
399	WORD	water	23.75860977	7	5	2	2	2	1	0	0	0	0	1	0	1	0
400	OCCURS	water	23.71982193	8	7	1	1	1	0	5	0	0	0	0	0	0	1
401	ROCKS	water	23.57195282	5	2	3	0	0	1	1	0	0	1	0	1	1	0
402	MINUTE	water	23.53456688	7	1	6	0	0	1	0	0	0	0	0	5	1	0
403	DIAGRAM	water	23.41807747	14	4	10	2	0	2	0	0	0	1	0	1	2	6
404	LEAVING	water	23.11104774	5	0	5	0	0	0	0	0	0	0	1	1	0	3

405	BEHIND	water	23.11104774	5	0	5	0	0	0	0	0	0	2	2	0	0	1
406	PASSES	water	23.03671265	8	6	2	0	1	1	2	2	0	1	1	0	0	0
407	COMES	water	22.88653564	7	0	7	0	0	0	0	0	0	1	3	1	0	2
408	STOPPER	water	22.88653564	7	6	1	3	0	2	1	0	0	0	0	0	0	1
409	KNOWN	water	22.87135887	8	4	4	2	0	0	2	0	0	0	2	1	0	1
410	LUNGS	water	22.70807457	8	7	1	1	2	0	2	2	0	1	0	0	0	0
411	BAG	water	22.67812157	7	4	3	0	0	1	2	1	0	0	0	1	2	0
412	COMING	water	22.67209625	5	1	4	0	0	1	0	0	0	1	3	0	0	0
413	ERN	water	22.67209625	5	3	2	0	0	1	2	0	0	0	0	1	0	1
414	USE	water	22.58207893	17	7	10	3	1	0	2	1	0	1	4	0	3	2
415	HUMAN	water	22.54681587	8	5	3	2	2	1	0	0	0	0	0	0	1	2
416	BUBBLES	water	22.42857361	6	3	3	3	0	0	0	0	0	0	2	1	0	0
417	FORMING	water	22.2531662	5	3	2	0	3	0	0	0	0	1	1	0	0	0
418	MINUTES	water	22.07400703	7	0	7	0	0	0	0	0	0	0	0	0	2	5
419	SYSTEM	water	21.9785862	10	2	8	1	0	0	1	0	0	3	2	0	3	0
420	HCl	water	21.85256958	5	0	5	0	0	0	0	0	0	2	0	1	1	1
421	VITAMINS	water	21.63267517	6	4	2	1	0	3	0	0	0	0	1	1	0	0
422	PROVIDES	water	21.46882057	5	1	4	0	0	0	0	1	0	2	0	0	2	0
423	APPROXIMATELY	water	21.46882057	5	4	1	2	2	0	0	0	0	0	1	0	0	0
424	BASE	water	21.43383789	9	7	2	0	0	4	3	0	0	0	1	0	0	1
425	LIKE	water	21.28896904	11	8	3	2	0	1	1	4	0	0	1	1	1	0
426	CARRY	water	21.19311714	9	8	1	0	0	0	1	7	0	0	1	0	0	0
427	CONDENSER	water	21.10061264	5	2	3	0	0	2	0	0	0	0	0	0	0	3
428	CONSTANTLY	water	21.10061264	5	2	3	0	1	0	1	0	0	0	0	2	0	1
429	FORMED	water	21.02290916	11	2	9	2	0	0	0	0	0	2	3	3	0	1
430	POSSIBLE	water	20.9516964	7	3	4	0	1	2	0	0	0	0	1	0	2	1
431	WELL	water	20.77473259	7	1	6	0	0	0	1	0	0	1	0	3	1	1
432	TESTED	water	20.65761948	6	2	4	0	1	1	0	0	0	0	1	1	1	1
433	FIRE	water	20.61608505	8	4	4	1	0	0	2	1	0	3	0	0	0	1
434	TINY	water	20.47905159	8	4	4	0	2	2	0	0	0	0	0	0	4	0
435	OXIDE	water	20.47905159	8	3	5	0	0	3	0	0	0	0	1	2	2	0
436	LOSE	water	20.40629578	5	5	0	0	1	1	0	3	0	0	0	0	0	0
437	WOOD	water	20.38262939	9	4	5	0	0	3	1	0	0	0	2	1	1	1
438	RUN	water	20.20242691	6	2	4	0	0	1	1	0	0	0	3	1	0	0
439	RUBBER	water	19.76651955	6	5	1	0	0	2	2	1	0	0	0	1	0	0
440	LIGHT	water	19.72123528	22	14	8	2	3	3	1	5	0	4	1	1	1	1

441	SEE	water	19.57631111	13	8	5	1	3	1	1	2	0	1	2	0	1	1
442	CAUSE	water	19.40767479	9	5	4	0	1	2	0	2	0	1	2	0	1	0
443	PASS	water	19.18580246	8	4	4	0	4	0	0	0	0	0	4	0	0	0
444	CARRIES	water	19.16055107	5	3	2	0	1	1	0	1	0	0	1	1	0	0
445	HIGHER	water	18.89515305	10	5	5	2	2	0	1	0	0	1	0	1	2	1
446	ACIDS	water	18.82293129	8	3	5	1	0	2	0	0	0	0	2	1	1	1
447	NAIL	water	18.56067657	6	6	0	3	3	0	0	0	0	0	0	0	0	0
448	QUICKLY	water	18.54823685	7	4	3	0	1	2	1	0	0	0	2	1	0	0
449	DRY	water	18.35539818	8	5	3	3	0	1	1	0	0	0	0	0	2	1
450	DISPERSAL	water	18.32896805	5	4	1	0	0	0	3	1	0	1	0	0	0	0
451	CAUSED	water	18.12358093	7	1	6	1	0	0	0	0	0	0	4	2	0	0
452	LOW	water	18.12358093	7	3	4	1	0	0	1	1	0	0	0	2	2	0
453	CONTENT	water	18.06837273	5	1	4	1	0	0	0	0	0	4	0	0	0	0
454	BLOOD	water	18.03978157	13	6	7	1	1	2	2	0	0	0	2	2	1	2
455	NEED	water	17.90538025	8	8	0	2	0	1	2	3	0	0	0	0	0	0
456	CHLOROPHYLL	water	17.81532097	5	0	5	0	0	0	0	0	0	0	1	3	1	0
457	GREATER	water	17.65577507	6	4	2	1	2	1	0	0	0	0	1	0	1	0
458	TRAVELS	water	17.58171844	7	2	5	0	0	1	1	0	0	2	0	3	0	0
459	COLOURLESS	water	17.56941605	5	2	3	0	0	0	2	0	0	0	0	2	0	1
460	EXPERIMENTS	water	17.15672874	8	4	4	1	1	0	2	0	0	1	1	2	0	0
461	KEEP	water	17.15006256	6	3	3	1	1	1	0	0	0	0	1	1	0	1
462	HIGH	water	17.0535717	8	3	5	0	1	1	0	1	0	1	1	0	2	1
463	BECOMES	water	16.9871273	6	1	5	0	1	0	0	0	0	2	1	2	0	0
464	GENTLY	water	16.9871273	6	4	2	1	1	2	0	0	0	1	0	0	1	0
465	AWAY	water	16.84996033	8	2	6	1	0	1	0	0	0	0	4	0	2	0
466	PUMP	water	16.82687378	6	6	0	1	1	1	3	0	0	0	0	0	0	0
467	CHANGING	water	16.65028763	5	3	2	0	0	1	2	0	0	1	1	0	0	0
468	WASTES	water	16.65028763	5	2	3	0	1	0	1	0	0	2	0	1	0	0
469	FURTHER	water	16.43510437	5	4	1	1	2	1	0	0	0	0	0	1	0	0
470	FASTER	water	16.43510437	5	3	2	1	0	1	1	0	0	1	1	0	0	0
471	POWDER	water	16.22522545	5	1	4	1	0	0	0	0	0	0	1	0	1	2
472	COMBINE	water	16.22522545	5	5	0	1	1	1	2	0	0	0	0	0	0	0
473	COVERED	water	16.22522545	5	3	2	0	0	0	3	0	0	1	0	0	0	1
474	HOLES	water	16.02041245	5	1	4	1	0	0	0	0	0	0	0	0	1	3
475	ROD	water	15.98770714	7	2	5	0	1	1	0	0	0	0	1	1	2	1
476	NEEDED	water	15.79029846	8	1	7	1	0	0	0	0	0	1	0	1	1	4

477	PRODUCES	water	15.62512112	5	5	0	0	2	0	0	3	0	0	0	0	0	0
478	PENCIL	water	15.62512112	5	3	2	0	0	3	0	0	0	0	0	0	1	1
479	DUE	water	15.43424034	5	1	4	0	1	0	0	0	0	0	1	0	0	3
480	VARIETY	water	15.43424034	5	5	0	0	5	0	0	0	0	0	0	0	0	0
481	COVALENT	water	15.35596371	6	4	2	0	2	2	0	0	0	0	0	1	1	0

2. The most significant collocates of *find* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FIND	find	4459.12	264	0	0	0	0	0	0	0	264	0	0	0	0	0
2	EVIDENCE	find	160.6581	17	15	2	4	0	11	0	0	0	2	0	0	0	0
3	ANSWERS	find	122.6328	14	0	14	0	0	0	0	0	0	11	3	0	0	0
4	WORDS	find	112.0066	19	0	19	0	0	0	0	0	0	15	2	2	0	0
5	FOLLOWING	find	102.0861	16	1	15	0	0	1	0	0	0	0	0	0	9	6
6	PASSAGE	find	94.46828	12	6	6	1	0	3	2	0	0	0	0	3	2	1
7	INTERESTING	find	87.00262	11	0	11	0	0	0	0	0	0	7	3	0	1	0
8	EXTRACT	find	68.46931	9	1	8	0	0	0	0	1	0	0	0	1	7	0
9	YOU'LL	find	51.17537	6	6	0	0	0	0	0	6	0	0	0	0	0	0
10	SILENTLY	find	48.2955	5	5	0	0	0	5	0	0	0	0	0	0	0	0
11	READING	find	46.51563	8	5	3	1	0	2	2	0	0	1	2	0	0	0
12	STORY	find	43.75093	11	8	3	0	4	2	0	2	0	0	0	0	1	2
13	USEFUL	find	43.67676	5	0	5	0	0	0	0	0	0	2	2	1	0	0
14	READ	find	43.17953	9	7	2	0	4	2	1	0	0	0	0	2	0	0
15	BOOK	find	43.00374	7	4	3	1	0	1	2	0	0	0	1	1	1	0
16	PEOPLE	find	40.98564	9	5	4	0	0	3	1	1	0	0	0	2	1	1
17	INFORMATION	find	40.62366	6	0	6	0	0	0	0	0	0	4	1	1	0	0
18	HELP	find	36.60686	6	5	1	0	0	2	3	0	0	0	0	0	1	0
19	QUESTIONS	find	32.77491	7	1	6	0	1	0	0	0	0	0	0	0	2	4
20	CHOOSE	find	30.0999	5	4	1	2	1	1	0	0	0	0	1	0	0	0
21	POEM	find	15.32766	5	3	2	0	0	2	1	0	0	0	0	2	0	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DIRECTIONS	find	64.37828827	6	0	6	0	0	0	0	0	0	2	1	2	0	1
2	AREA	find	55.29338074	10	1	9	0	0	0	1	0	0	0	8	1	0	0
3	DIFFICULT	find	49.00327301	5	0	5	0	0	0	0	0	0	0	3	1	1	0
4	GRID	find	47.39684296	7	4	3	1	3	0	0	0	0	0	1	2	0	0
5	REFERENCES	find	43.3792572	5	4	1	0	1	3	0	0	0	0	0	0	1	0
6	MAP	find	38.15871811	8	1	7	0	0	1	0	0	0	0	0	3	1	3

7	HELP	find	37.32910919	5	5	0	0	3	0	1	1	0	0	0	0	0	0
8	FOLLOWING	find	24.31771278	5	3	2	3	0	0	0	0	0	0	0	0	0	2
9	COUNTRIES	find	23.34799767	5	4	1	0	0	0	1	3	0	0	0	0	0	1

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PAST	find	300.9985	23	0	23	0	0	0	0	0	0	0	0	0	23	0
2	YEAR	find	121.9451	16	9	7	0	9	0	0	0	0	0	0	0	0	7
3	ROUTES	find	54.63979	5	0	5	0	0	0	0	0	0	0	3	2	0	0
4	EXPLORERS	find	53.28071	5	5	0	0	1	2	2	0	0	0	0	0	0	0
5	HISTORIANS	find	48.56496	5	4	1	3	0	0	0	1	0	0	0	0	0	1
6	NEW	find	45.19329	8	0	8	0	0	0	0	0	0	6	2	0	0	0
7	NORTH	find	43.16483	6	0	6	0	0	0	0	0	0	0	2	0	0	4
8	ARCHAEOLOGISTS	find	41.22496	5	5	0	0	1	1	0	3	0	0	0	0	0	0
9	WANTED	find	33.78273	5	5	0	0	0	0	5	0	0	0	0	0	0	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	NAMES	find	101.059021	11	0	11	0	0	0	0	0	0	0	3	8	0	0
2	SUMMARISE	find	89.80166626	8	0	8	0	0	0	0	0	0	2	4	2	0	0
3	SURVEY	find	87.06816864	12	11	1	6	0	0	5	0	0	0	0	0	1	0
4	CHAPTER	find	76.73730469	9	9	0	0	9	0	0	0	0	0	0	0	0	0
5	INFORMATION	find	70.65450287	12	1	11	0	1	0	0	0	0	3	1	2	4	1
6	NEWSPAPER	find	62.77828598	8	0	8	0	0	0	0	0	0	0	0	4	4	0
7	WORK	find	60.93088913	13	0	13	0	0	0	0	0	0	1	1	0	10	1
8	RESEARCH	find	53.99381256	7	7	0	2	0	0	0	5	0	0	0	0	0	0
9	HELPFUL	find	52.86007309	5	0	5	0	0	0	0	0	0	0	0	5	0	0
10	DISCOVERY	find	45.29180145	6	6	0	1	0	0	5	0	0	0	0	0	0	0
11	STUDENTS	find	43.30579376	8	2	6	2	0	0	0	0	0	0	3	0	2	1
12	WORDS	find	38.00328445	6	0	6	0	0	0	0	0	0	0	2	4	0	0
13	ACTIVITY	find	36.32341385	6	6	0	0	1	0	0	5	0	0	0	0	0	0
14	FOLLOWING	find	35.7851944	7	0	7	0	0	0	0	0	0	0	6	0	0	1
15	PEOPLE	find	34.8015976	13	9	4	1	3	0	3	2	0	0	0	1	1	2
16	CONTACT	find	34.05582428	5	4	1	1	3	0	0	0	0	1	0	0	0	0
17	TRY	find	33.04188156	5	5	0	0	0	0	5	0	0	0	0	0	0	0

18	LIKE	find	32.10286331	7	4	3	1	1	1	1	0	0	0	0	1	0	2
19	LOCAL	find	26.68400764	8	4	4	0	0	3	1	0	0	1	0	0	3	0
20	AREA	find	25.46369934	6	4	2	0	0	0	4	0	0	0	0	0	1	1
21	SCHOOL	find	25.12458229	7	6	1	2	0	0	4	0	0	0	0	0	1	0
22	POLITICAL	find	22.58831787	5	2	3	0	1	1	0	0	0	0	1	0	1	1
23	CHILDREN	find	22.50382614	6	3	3	1	0	0	1	1	0	0	0	1	1	1
24	DIFFERENT	find	20.62144279	5	2	3	0	1	1	0	0	0	0	0	1	2	0
25	YOUNG	find	20.49291992	5	2	3	0	0	1	1	0	0	0	0	1	1	1
26	GROUPS	find	18.31362915	5	3	2	2	0	0	1	0	0	0	0	0	1	1
27	CLASS	find	16.92995453	5	4	1	1	1	0	1	1	0	0	0	0	1	0
28	COMMUNITY	find	16.26894569	6	4	2	2	0	0	2	0	0	0	0	0	2	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	VALUE	find	1886.373413	257	11	246	4	4	0	3	0	0	0	222	10	14	0
2	EQUATION	find	986.9336548	157	69	88	1	6	1	58	3	0	0	86	2	0	0
3	VALUES	find	862.3499756	127	8	119	2	0	6	0	0	0	2	59	43	15	0
4	IMAGE	find	706.6981201	102	2	100	0	2	0	0	0	0	0	98	0	1	1
5	SLOPE	find	544.7536011	80	20	60	2	16	2	0	0	0	10	44	5	0	1
6	POINT	find	475.7323303	93	11	82	5	1	3	1	1	0	15	9	8	14	36
7	COORDINATES	find	427.3765564	50	5	45	4	1	0	0	0	0	0	40	4	0	1
8	AREA	find	403.3694763	89	15	74	4	7	2	2	0	0	2	58	9	2	3
9	SOLVE	find	360.1254578	68	67	1	8	56	3	0	0	0	0	0	0	0	1
10	LINE	find	342.7446899	80	14	66	4	2	4	2	2	0	0	0	5	16	45
11	GRAPH	find	330.5512085	65	59	6	4	0	19	22	14	0	0	0	1	0	5
12	USE	find	296.1968079	53	48	5	13	30	5	0	0	0	0	0	1	2	2
13	NUMBER	find	217.9138489	68	7	61	2	2	2	0	1	0	0	38	14	5	4
14	CORRESPONDING	find	179.7508545	30	1	29	0	0	0	1	0	0	0	22	1	5	1
15	RANGE	find	148.066452	23	0	23	0	0	0	0	0	0	0	22	0	1	0
16	OTHERWISE	find	136.1087036	21	21	0	0	0	0	0	21	0	0	0	0	0	0
17	ASKED	find	135.4940033	22	22	0	0	0	0	22	0	0	0	0	0	0	0
18	COST	find	108.0332413	25	3	22	1	1	1	0	0	0	1	14	5	1	1
19	MISSING	find	107.3349304	17	0	17	0	0	0	0	0	0	2	15	0	0	0
20	VOLUME	find	101.4226608	27	1	26	1	0	0	0	0	0	0	18	5	0	3
21	MIDPOINT	find	99.21598816	17	4	13	0	3	0	1	0	0	0	8	0	4	1
22	NUMBERS	find	95.27481079	27	0	27	0	0	0	0	0	0	0	10	8	1	8
23	MEAN	find	94.69207764	24	4	20	1	0	1	2	0	0	0	14	5	1	0

24	SUM	find	91.50502014	19	0	19	0	0	0	0	0	0	0	16	0	3	0
25	HEIGHT	find	88.29832458	25	2	23	0	2	0	0	0	0	0	10	10	2	1
26	LENGTH	find	83.8697052	26	5	21	0	5	0	0	0	0	0	12	6	0	3
27	CALCULATOR	find	81.63385773	16	12	4	1	1	6	3	1	0	0	0	0	1	3
28	DIMENSION	find	73.1002655	8	0	8	0	0	0	0	0	0	0	0	8	0	0
29	POINTS	find	70.95622253	19	13	6	0	5	0	8	0	0	0	1	1	1	3
30	EXAMPLE	find	70.01279449	26	24	2	2	0	8	11	3	0	0	0	0	0	2
31	AXIS	find	68.2636261	22	17	5	0	4	0	13	0	0	0	0	0	0	5
32	CM	find	66.44980621	35	33	2	8	3	1	5	16	0	0	2	0	0	0
33	CORRECT	find	66.28277588	18	0	18	0	0	0	0	0	0	5	6	3	1	3
34	TERMS	find	62.17267609	20	2	18	1	1	0	0	0	0	0	12	0	6	0
35	WHICHF	find	61.65847015	12	12	0	1	11	0	0	0	0	0	0	0	0	0
36	TRIANGLE	find	61.28107071	20	6	14	2	1	3	0	0	0	0	0	0	3	11
37	ORDINATES	find	58.26432419	9	1	8	0	1	0	0	0	0	0	0	8	0	0
38	MAXIMUM	find	57.96226883	13	2	11	1	0	1	0	0	0	0	7	4	0	0
39	SET	find	55.25672913	15	0	15	0	0	0	0	0	0	0	2	13	0	0
40	RADIUS	find	53.60774994	17	1	16	1	0	0	0	0	0	0	15	1	0	0
41	POSSIBLE	find	52.82605743	10	0	10	0	0	0	0	0	0	0	4	6	0	0
42	UNKNOWN	find	51.37265396	8	0	8	0	0	0	0	0	0	0	7	0	0	1
43	MEDIAN	find	50.90843582	10	2	8	1	0	1	0	0	0	0	5	1	0	2
44	MINIMUM	find	48.89356613	10	2	8	0	0	2	0	0	0	0	5	2	0	1
45	TYPE	find	48.62619019	13	13	0	0	0	1	12	0	0	0	0	0	0	0
46	ANGLE	find	47.33523941	19	3	16	0	2	0	1	0	0	1	5	5	0	5
47	MAIN	find	46.58504105	6	6	0	6	0	0	0	0	0	0	0	0	0	0
48	BREADTH	find	46.22818756	8	5	3	0	3	1	0	1	0	0	1	1	1	0
49	FACTORS	find	43.29042816	11	1	10	0	1	0	0	0	0	0	2	7	1	0
50	SIN [SINE]	find	43.28317642	17	11	6	0	2	4	5	0	0	0	0	3	0	3
51	PYTHAGORAS'S	find	41.82506943	7	7	0	0	1	6	0	0	0	0	0	0	0	0
52	WIDTH	find	41.73344803	11	3	8	1	0	0	2	0	0	0	5	0	2	1
53	RATIO	find	41.7228508	12	0	12	0	0	0	0	0	0	0	12	0	0	0
54	MODE	find	41.33052063	9	0	9	0	0	0	0	0	0	0	3	2	3	1
55	SPEED	find	41.05089188	13	2	11	2	0	0	0	0	0	0	1	10	0	0
56	PERPENDICULAR	find	38.56509018	11	4	7	1	1	1	0	1	0	0	5	0	0	2
57	COS [COSINE]	find	37.78747559	13	5	8	1	1	1	2	0	0	3	0	1	4	0
58	NEAREST	find	37.77124405	10	3	7	0	2	1	0	0	0	0	0	5	0	2
59	SOLUTION	find	37.39199829	17	2	15	1	0	0	0	1	0	0	12	1	1	1
60	USING	find	36.75579071	12	9	3	4	2	2	1	0	0	0	1	0	1	1
61	AVERAGE	find	36.07592392	10	0	10	0	0	0	0	0	0	0	9	1	0	0

62	SMALLEST	find	34.8273201	7	0	7	0	0	0	0	0	0	0	3	0	0	4
63	GROUP	find	34.02626419	8	0	8	0	0	0	0	0	0	0	0	2	2	4
64	TILES	find	33.94499207	5	1	4	0	0	0	0	1	0	0	0	0	2	2
65	THEOREM	find	33.73064423	7	7	0	0	0	1	6	0	0	0	0	0	0	0
66	RECTANGLE	find	32.33547211	10	1	9	0	0	1	0	0	0	0	0	0	0	9
67	NEED	find	32.3032074	6	6	0	0	0	0	6	0	0	0	0	0	0	0
68	GREATEST	find	31.94695663	5	0	5	0	0	0	0	0	0	0	3	2	0	0
69	TAKEN	find	31.54389763	8	0	8	0	0	0	0	0	0	0	0	3	1	4
70	LARGEST	find	29.79987907	5	0	5	0	0	0	0	0	0	0	4	0	0	1
71	VAT (VALUE ADDED T	find	28.20237923	9	3	6	3	0	0	0	0	0	1	0	2	2	1
72	AGE	find	27.7143116	8	1	7	0	0	0	1	0	0	0	4	2	1	0
73	PEOPLE	find	27.1096859	11	2	9	0	0	0	2	0	0	0	0	2	5	2
74	TIME	find	27.04229164	11	3	8	2	1	0	0	0	0	0	5	1	2	0
75	MODAL	find	26.91627502	5	1	4	0	0	1	0	0	0	0	2	1	0	1
76	INTERSECTION	find	26.36715317	6	1	5	0	0	1	0	0	0	0	0	0	5	0
77	LIKE	find	26.04821777	7	1	6	0	1	0	0	0	0	0	0	4	2	0
78	DISTANCE	find	25.24472046	9	1	8	1	0	0	0	0	0	0	7	1	0	0
79	GIVEN	find	25.10948753	14	5	9	1	3	0	1	0	0	0	4	1	2	2
80	CIRCLE	find	24.07369614	10	4	6	2	2	0	0	0	0	0	0	0	0	6
81	PRINCIPAL	find	23.90133095	5	1	4	0	0	1	0	0	0	0	3	0	1	0
82	TAN [TANGENT]	find	23.8104496	9	7	2	1	4	1	1	0	0	0	1	0	0	1
83	DEGREE	find	23.39959908	5	0	5	0	0	0	0	0	0	0	0	0	5	0
84	PROFIT	find	23.29068375	6	1	5	0	0	0	1	0	0	0	1	3	1	0
85	REQUIRED	find	22.82843208	6	2	4	0	0	0	2	0	0	0	1	1	0	2
86	DIAGRAM	find	22.68844223	12	12	0	2	1	2	5	2	0	0	0	0	0	0
87	LOWEST	find	21.83131981	5	1	4	0	0	0	1	0	0	0	4	0	0	0
88	PLACE	find	20.77902031	6	0	6	0	0	0	0	0	0	0	0	0	2	4
89	START	find	19.64540291	5	1	4	1	0	0	0	0	0	0	2	0	0	2
90	BOX	find	19.48510551	5	3	2	1	1	0	0	1	0	0	0	0	0	2
91	END	find	19.13579559	7	3	4	0	3	0	0	0	0	0	0	3	0	1
92	PERIMETER	find	16.77201653	5	1	4	1	0	0	0	0	0	0	0	4	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DENSITY	find	402.4820862	44	4	40	2	0	2	0	0	0	2	35	1	0	2
2	MASS	find	387.9391479	48	7	41	5	1	0	1	0	0	3	35	1	1	1
3	VOLUME	find	303.4023743	37	12	25	3	2	3	4	0	0	2	21	1	1	0
4	EXPERIMENT	find	174.3774414	31	29	2	3	1	12	13	0	0	0	0	1	1	0

5	STONE	find	111.4979324	14	5	9	1	2	1	1	0	0	0	0	0	0	9
6	GRAVITY	find	103.6615906	15	3	12	1	0	0	2	0	0	0	0	0	12	0
7	GRAPH	find	100.2682266	12	12	0	0	0	1	8	3	0	0	0	0	0	0
8	USE	find	81.32318878	16	15	1	5	10	0	0	0	0	0	0	0	0	1
9	CENTRE	find	81.02669525	12	2	10	0	2	0	0	0	0	0	10	0	0	0
10	LET'S	find	57.31099701	6	6	0	0	0	0	0	6	0	0	0	0	0	0
11	WEIGHT	find	49.28974915	9	1	8	0	1	0	0	0	0	0	8	0	0	0
12	WANT	find	48.98830414	6	6	0	0	0	0	6	0	0	0	0	0	0	0
13	PH	find	46.02272797	8	0	8	0	0	0	0	0	0	0	7	1	0	0
14	NUMBER	find	44.10154724	9	0	9	0	0	0	0	0	0	0	4	4	1	0
15	LIQUID	find	43.97296906	10	1	9	0	0	0	1	0	0	0	0	0	0	9
16	EXPECT	find	43.6794281	5	5	0	0	0	0	5	0	0	0	0	0	0	0
17	BEAKER	find	43.55934525	9	5	4	0	2	0	3	0	0	0	0	0	0	4
18	PLANTS	find	41.67748642	11	4	7	0	3	1	0	0	0	1	0	3	1	2
19	SPEED	find	40.65258026	7	1	6	0	0	0	0	1	0	0	4	1	0	1
20	ANIMAL	find	40.55390167	7	4	3	0	2	1	1	0	0	1	1	1	0	0
21	AVERAGE	find	39.78583145	6	1	5	0	1	0	0	0	0	0	2	2	0	1
22	RESISTANCE	find	38.89161682	7	1	6	1	0	0	0	0	0	0	4	2	0	0
23	LENGTH	find	38.09267426	6	0	6	0	0	0	0	0	0	0	6	0	0	0
24	DIFFERENT	find	37.1848259	9	3	6	2	0	1	0	0	0	1	1	2	2	0
25	TIME	find	35.59902573	8	1	7	0	0	1	0	0	0	0	4	3	0	0
26	OBJECT	find	33.53499985	7	0	7	0	0	0	0	0	0	0	0	0	0	7
27	METHOD	find	33.29431915	9	9	0	1	2	1	4	1	0	0	0	0	0	0
28	VALUE	find	33.21679688	5	1	4	0	0	1	0	0	0	0	2	2	0	0
29	WATER	find	31.29216766	17	8	9	4	1	0	3	0	0	0	0	1	2	6
30	MARKS	find	31.03313255	5	3	2	3	0	0	0	0	0	0	1	0	1	0
31	OBJECTS	find	27.92695808	5	1	4	0	0	1	0	0	0	0	0	0	4	0
32	FOLLOWING	find	27.89920235	6	1	5	1	0	0	0	0	0	0	0	0	0	5
33	SOLIDS	find	27.32713699	5	3	2	1	0	0	1	1	0	0	0	0	0	2
34	AREA	find	26.60764503	5	1	4	0	0	1	0	0	0	0	3	1	0	0
35	SEE	find	23.34384155	6	6	0	0	6	0	0	0	0	0	0	0	0	0
36	POINT	find	22.64582443	5	0	5	0	0	0	0	0	0	0	0	4	0	1
37	SUBSTANCE	find	19.30532074	5	1	4	0	1	0	0	0	0	0	0	0	0	4
38	TEMPERATURE	find	16.51762581	5	0	5	0	0	0	0	0	0	0	2	1	1	1
39	USED	find	16.4964447	7	6	1	0	1	0	5	0	0	0	0	0	0	1

3. The most significant collocates of *following* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FOLLOWING	following	7010.243	442	0	0	0	0	0	0	0	442	0	0	0	0	0
2	ANSWER	following	1061.888	122	81	41	2	61	8	10	0	0	3	0	4	32	2
3	QUESTIONS	following	946.6888	101	5	96	0	0	3	2	0	0	87	4	0	0	5
4	READ	following	472.7704	61	59	2	1	0	6	52	0	0	0	1	1	0	0
5	CAREFULLY	following	344.7447	37	35	2	0	1	34	0	0	0	1	1	0	0	0
6	WORDS	following	222.2277	36	9	27	3	6	0	0	0	0	18	0	3	4	2
7	MEANINGS	following	165.4923	15	0	15	0	0	0	0	0	0	15	0	0	0	0
8	POEM	following	152.1374	28	0	28	0	0	0	0	0	0	23	3	1	1	0
9	ANSWERS	following	138.2482	17	16	1	0	0	16	0	0	0	0	1	0	0	0
10	COMPLETE	following	127.3325	14	14	0	0	3	0	11	0	0	0	0	0	0	0
11	EXTRACT	following	124.5417	16	5	11	0	4	1	0	0	0	10	1	0	0	0
12	FIND	following	102.0861	16	15	1	6	9	0	0	0	0	0	0	1	0	0
13	WRITE	following	95.37477	21	15	6	4	7	1	3	0	0	0	0	2	3	1
14	PASSAGE	following	90.99441	13	1	12	0	1	0	0	0	0	11	0	0	0	1
15	USING	following	88.10806	13	7	6	0	0	0	7	0	0	0	4	2	0	0
16	EDITED	following	84.91515	7	0	7	0	0	0	0	0	0	1	0	6	0	0
17	FILL	following	83.79027	10	5	5	0	0	5	0	0	0	0	3	2	0	0
18	SENTENCES	following	82.30389	12	0	12	0	0	0	0	0	0	12	0	0	0	0
19	ARTICLE	following	79.59745	11	2	9	0	1	1	0	0	0	8	1	0	0	0
20	CONFIDENT	following	75.0769	8	8	0	0	0	8	0	0	0	0	0	0	0	0
21	POETRY	following	70.04305	12	12	0	12	0	0	0	0	0	0	0	0	0	0
22	KNOWING	following	64.5746	7	0	7	0	0	0	0	0	0	0	7	0	0	0
23	PHRASES	following	62.81081	9	0	9	0	0	0	0	0	0	2	0	7	0	0
24	GAPS	following	62.60409	7	4	3	0	2	2	0	0	0	0	0	0	0	3
25	STATEMENTS	following	60.34636	6	0	6	0	0	0	0	0	0	6	0	0	0	0
26	CHOOSE	following	55.69469	9	8	1	1	7	0	0	0	0	0	1	0	0	0
27	QUOTATIONS	following	54.50248	7	0	7	0	0	0	0	0	0	7	0	0	0	0

28	INCLUDE	following	54.24951	7	7	0	0	0	0	7	0	0	0	0	0	0	0
29	FORM	following	46.43559	7	0	7	0	0	0	0	0	0	0	0	0	7	0
30	FEEL	following	45.80685	8	8	0	8	0	0	0	0	0	0	0	0	0	0
31	CASE	following	45.478	7	7	0	7	0	0	0	0	0	0	0	0	0	0
32	USE	following	42.06987	10	9	1	1	0	2	6	0	0	0	0	1	0	0
33	NOUNS	following	41.33585	5	0	5	0	0	0	0	0	0	1	2	0	2	0
34	ADJECTIVES	following	41.33585	5	4	1	0	0	3	0	1	0	1	0	0	0	0
35	SCENE	following	39.75372	8	1	7	1	0	0	0	0	0	3	0	0	2	2
36	MAKE	following	38.6809	10	9	1	2	4	2	1	0	0	0	0	0	0	1
37	REWRITE	following	38.27231	5	5	0	0	1	0	4	0	0	0	0	0	0	0
38	PROPER	following	38.27231	5	1	4	0	0	0	1	0	0	1	0	3	0	0
39	COPY	following	37.80497	5	5	0	0	0	2	3	0	0	0	0	0	0	0
40	EXPECT	following	37.14317	5	0	5	0	0	0	0	0	0	0	0	0	0	5
41	SPEAKING	following	34.37429	5	0	5	0	0	0	0	0	0	0	0	0	0	5
42	STORY	following	33.02473	11	2	9	1	1	0	0	0	0	3	2	0	2	2
43	LOOK	following	33.00049	8	7	1	1	1	5	0	0	0	0	1	0	0	0
44	POINTS	following	31.22825	6	1	5	0	1	0	0	0	0	4	0	0	1	0
45	DESCRIBE	following	29.59082	7	3	4	1	0	0	2	0	0	0	0	1	0	3
46	EXAMPLE	following	27.52579	6	1	5	0	0	1	0	0	0	1	0	2	0	2
47	HELP	following	23.62385	5	1	4	0	1	0	0	0	0	0	0	2	1	1
48	EXPLAIN	following	20.50546	5	3	2	2	0	0	1	0	0	0	2	0	0	0
49	DRAMA	following	20.14089	5	2	3	2	0	0	0	0	0	0	0	1	1	1
50	CHARACTERS	following	16.19967	5	2	3	1	1	0	0	0	0	2	0	1	0	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	GRID	following	318.0278625	45	8	37	1	7	0	0	0	0	31	0	5	1	0
2	ANSWER	following	314.8928223	42	40	2	0	2	4	34	0	0	0	0	1	0	1
3	QUESTIONS	following	283.7016907	31	2	29	1	1	0	0	0	0	28	0	1	0	0
4	MARK	following	263.971405	33	33	0	14	18	1	0	0	0	0	0	0	0	0
5	FEATURES	following	259.4975281	38	10	28	4	0	6	0	0	0	27	0	0	1	0

6	REFERENCES	following	248.3350677	28	5	23	1	1	3	0	0	0	0	18	0	4	1
7	IDENTIFY	following	242.7042236	39	34	5	4	11	0	19	0	0	2	0	2	0	1
8	STATEMENTS	following	224.0230103	21	0	21	0	0	0	0	0	0	21	0	0	0	0
9	NAME	following	196.5431366	31	30	1	0	0	0	30	0	0	0	0	1	0	0
10	TERMS	following	191.4360046	21	0	21	0	0	0	0	0	0	19	0	2	0	0
11	HEADINGS	following	185.1585846	18	0	18	0	0	0	0	0	0	18	0	0	0	0
12	CD	following	158.5962219	17	0	17	0	0	0	0	0	0	6	7	2	1	1
13	LOCATIONS	following	155.5698853	20	1	19	1	0	0	0	0	0	17	1	0	1	0
14	REFERENCE	following	147.3827515	22	9	13	5	0	4	0	0	0	0	12	1	0	0
15	SHOW	following	121.1551361	18	16	2	1	14	0	1	0	0	0	0	0	1	1
16	FEATURE	following	118.9608688	17	16	1	16	0	0	0	0	0	0	0	0	0	1
17	FALSE	following	100.8098373	10	0	10	0	0	0	0	0	0	0	0	0	0	10
18	LOCATION	following	94.48130035	18	14	4	13	0	1	0	0	0	1	1	0	0	2
19	PAGE	following	94.23628998	18	14	4	11	2	0	0	1	0	3	0	0	1	0
20	MAP	following	93.82526398	26	16	10	7	6	3	0	0	0	1	2	0	5	2
21	TRUE	following	87.73439789	11	0	11	0	0	0	0	0	0	0	0	11	0	0
22	FIGURE	following	86.2633667	20	11	9	9	1	0	0	1	0	0	3	4	1	1
23	INCLUDE	following	84.65778351	15	15	0	0	0	0	15	0	0	0	0	0	0	0
24	REASONS	following	84.05735779	15	1	14	1	0	0	0	0	0	11	2	0	0	1
25	RIVER	following	79.5043869	20	1	19	0	1	0	0	0	0	0	3	13	1	2
26	EXPLAIN	following	79.05989838	18	14	4	4	5	1	4	0	0	0	1	3	0	0
27	WHETHER	following	75.75359344	9	9	0	0	8	0	1	0	0	0	0	0	0	0
28	PLACES	following	73.59774017	14	2	12	1	0	1	0	0	0	12	0	0	0	0
29	FACTORS	following	67.18546295	12	0	12	0	0	0	0	0	0	11	0	0	1	0
30	USE	following	60.49788666	15	12	3	2	0	0	10	0	0	1	2	0	0	0
31	USING	following	59.22845459	11	9	2	1	0	0	8	0	0	1	1	0	0	0
32	MAIN	following	48.81853485	10	0	10	0	0	0	0	0	0	1	0	8	1	0
33	LETTER	following	47.41893387	7	1	6	0	1	0	0	0	0	1	2	0	0	3
34	DIRECTIONS	following	42.8251915	6	1	5	0	1	0	0	0	0	5	0	0	0	0
35	COUNTIES	following	40.99256516	6	0	6	0	0	0	0	0	0	3	1	2	0	0
36	LOCATED	following	39.99220657	9	9	0	0	0	9	0	0	0	0	0	0	0	0
37	FOUND	following	37.66721725	8	8	0	4	0	4	0	0	0	0	0	0	0	0
38	SAY	following	36.9107399	5	5	0	5	0	0	0	0	0	0	0	0	0	0

39	ATLAS	following	34.88570404	5	5	0	0	2	3	0	0	0	0	0	0	0	0
40	WAYS	following	33.3965416	7	1	6	1	0	0	0	0	0	6	0	0	0	0
41	LOCATE	following	32.8132782	6	5	1	0	5	0	0	0	0	0	0	0	0	1
42	SELECT	following	32.23381424	5	4	1	0	4	0	0	0	0	0	1	0	0	0
43	SETTLEMENT	following	28.47085762	9	8	1	3	1	3	1	0	0	0	0	0	1	0
44	POINTS	following	28.46573257	6	1	5	0	0	1	0	0	0	4	0	0	0	1
45	COMPLETE	following	27.29571152	6	5	1	0	0	0	5	0	0	0	0	1	0	0
46	HEAVY	following	26.79469109	6	0	6	0	0	0	0	0	0	3	1	0	1	1
47	PHOTOGRAPH	following	26.05927849	9	4	5	2	1	1	0	0	0	0	0	0	4	1
48	CO [COUNTY]	following	25.87155533	8	0	8	0	0	0	0	0	0	3	2	0	0	3
49	HELP	following	25.85618401	6	1	5	0	0	1	0	0	0	0	0	5	0	0
50	STREETS	following	25.27640533	5	0	5	0	0	0	0	0	0	0	0	1	4	0
51	CASE	following	25.20152664	6	2	4	2	0	0	0	0	0	1	0	0	1	2
52	FIND	following	24.31771278	5	2	3	2	0	0	0	0	0	0	0	0	0	3
53	PROBLEMS	following	22.23962975	5	2	3	0	0	1	1	0	0	2	0	0	0	1
54	OS [ORDNANCE S	following	21.09988403	5	3	2	3	0	0	0	0	0	2	0	0	0	0
55	SKETCH	following	20.54573059	5	4	1	3	1	0	0	0	0	0	0	1	0	0
56	SLOPE	following	19.7120285	5	4	1	2	1	1	0	0	0	0	1	0	0	0
57	TOWN	following	18.61135864	7	3	4	1	0	2	0	0	0	0	1	1	0	2
58	USED	following	17.1173172	6	1	5	0	1	0	0	0	0	0	2	1	2	0
59	TEMPERATURE	following	17.08245468	5	0	5	0	0	0	0	0	0	0	1	1	1	2
60	STUDY	following	16.67332458	6	3	3	1	1	0	1	0	0	1	1	1	0	0

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	following	876.8126831	71	1	70	1	0	0	0	0	0	68	0	0	0	2
2	ANSWER	following	743.1411743	70	67	3	0	4	0	63	0	0	0	0	2	1	0
3	PAGE	following	300.4013367	33	32	1	30	2	0	0	0	0	0	0	0	1	0
4	EXPLAIN	following	241.3362885	31	29	2	2	13	0	14	0	0	0	0	2	0	0
5	TERMS	following	235.0968781	26	0	26	0	0	0	0	0	0	25	0	0	0	1
6	ACCOUNT	following	228.5490875	26	23	3	18	1	4	0	0	0	2	0	0	0	1
7	HINTS	following	154.0818176	16	0	16	0	0	0	0	0	0	13	0	0	3	0

8	HEADINGS	following	152.0494537	12	0	12	0	0	0	0	0	0	10	0	2	0	0
9	USING	following	136.3775787	17	13	4	0	0	0	13	0	0	0	3	0	0	1
10	YEARS	following	101.8870468	18	6	12	1	0	2	0	3	0	4	7	0	1	0
11	RELATING	following	75.9355545	6	0	6	0	0	0	0	0	0	0	6	0	0	0
12	NAME	following	67.76304626	13	2	11	0	1	0	1	0	0	0	1	8	1	1
13	AUTHOR	following	61.7390213	7	1	6	1	0	0	0	0	0	0	0	0	0	6
14	WAR	following	57.13302231	17	4	13	1	0	1	1	1	0	0	4	2	2	5
15	LINES	following	54.03245163	7	6	1	5	0	1	0	0	0	1	0	0	0	0
16	PICTURE	following	48.35718918	7	2	5	0	2	0	0	0	0	1	0	2	0	2
17	WRITE	following	47.77788162	10	10	0	8	0	2	0	0	0	0	0	0	0	0
18	CENTURIES	following	42.17429352	6	3	3	0	0	1	1	1	0	3	0	0	0	0
19	DOCUMENT	following	39.4081459	5	2	3	1	1	0	0	0	0	0	0	3	0	0
20	IDENTIFY	following	39.10671616	5	3	2	0	3	0	0	0	0	0	1	1	0	0
21	REFER	following	38.25419235	5	5	0	0	0	5	0	0	0	0	0	0	0	0
22	VICTORY	following	34.28066635	5	0	5	0	0	0	0	0	0	0	3	2	0	0
23	GENERAL	following	33.79174042	7	0	7	0	0	0	0	0	0	0	4	2	1	0
24	IRELAND	following	32.87128067	14	8	6	3	2	3	0	0	0	0	1	2	3	0
25	HOUSING	following	31.74040413	5	0	5	0	0	0	0	0	0	0	1	3	1	0
26	AREAS	following	30.12146568	6	0	6	0	0	0	0	0	0	6	0	0	0	0
27	EVENTS	following	29.95923996	5	0	5	0	0	0	0	0	0	3	0	1	0	1
28	ROLE	following	29.84376335	5	5	0	1	0	4	0	0	0	0	0	0	0	0
29	ELECTION	following	27.78541946	5	0	5	0	0	0	0	0	0	0	0	3	2	0
30	CENTURY	following	26.78316116	9	4	5	2	1	0	1	0	0	0	0	1	1	3
31	WORLD	following	25.81658173	8	1	7	0	1	0	0	0	0	4	0	1	2	0
32	PLACE	following	23.41455269	5	5	0	4	0	1	0	0	0	0	0	0	0	0
33	REVOLUTION	following	23.23400879	6	3	3	1	0	2	0	0	0	0	0	0	2	1
34	PEOPLE	following	22.95709801	11	3	8	1	1	1	0	0	0	5	0	0	1	2
35	MEDIEVAL	following	21.71732903	5	0	5	0	0	0	0	0	0	0	1	1	2	1
36	POWER	following	17.29322433	5	1	4	0	0	0	0	1	0	0	1	0	1	2

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WORDS	following	110.0919266	13	5	8	0	0	5	0	0	0	8	0	0	0	0
2	QUESTIONS	following	99.48373413	15	1	14	0	0	1	0	0	0	12	0	0	0	2
3	READ	following	95.98118591	12	11	1	0	0	0	11	0	0	0	0	0	0	1
4	ANSWER	following	85.41976929	12	10	2	0	0	0	10	0	0	0	0	2	0	0
5	STATEMENTS	following	84.9180069	8	0	8	0	0	0	0	0	0	7	1	0	0	0
6	SENTENCES	following	73.67958832	7	0	7	0	0	0	0	0	0	7	0	0	0	0
7	TICKED	following	69.38981628	6	0	6	0	0	0	0	0	0	0	0	0	6	0
8	MISSING	following	65.01751709	5	5	0	0	5	0	0	0	0	0	0	0	0	0
9	INDICATE	following	59.84269333	5	5	0	0	0	5	0	0	0	0	0	0	0	0
10	TRUE	following	53.69910049	6	0	6	0	0	0	0	0	0	0	0	5	0	1
11	FALSE	following	45.00207138	5	0	5	0	0	0	0	0	0	0	0	0	0	5
12	DECIDE	following	42.51693726	6	2	4	0	2	0	0	0	0	0	2	0	2	0
13	BOXES	following	41.76615906	5	0	5	0	0	0	0	0	0	4	0	1	0	0
14	WHETHER	following	38.20314407	5	5	0	0	0	0	5	0	0	0	0	0	0	0
15	HELP	following	36.61563492	7	1	6	1	0	0	0	0	0	0	1	5	0	0
16	FIND	following	35.7851944	7	7	0	1	0	0	6	0	0	0	0	0	0	0
17	GROUPS	following	33.47148514	7	3	4	0	2	1	0	0	0	2	2	0	0	0
18	INCLUDE	following	32.89388657	5	5	0	0	1	0	4	0	0	0	0	0	0	0
19	LOOK	following	28.09994888	5	5	0	0	1	4	0	0	0	0	0	0	0	0
20	MARKS	following	25.19494057	5	1	4	1	0	0	0	0	0	0	0	4	0	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TABLE	following	443.2871399	54	0	54	0	0	0	0	0	0	37	3	12	2	0
2	STEPS	following	316.2516174	30	0	30	0	0	0	0	0	0	30	0	0	0	0
3	COMPLETE	following	296.1040649	34	34	0	0	0	0	34	0	0	0	0	0	0	0
4	FREQUENCY	following	267.3029175	37	3	34	0	3	0	0	0	0	21	12	0	0	1
5	DISTRIBUTION	following	207.0652466	24	3	21	0	1	2	0	0	0	0	16	3	2	0
6	EXPRESS	following	176.4384003	28	24	4	0	20	0	4	0	0	2	2	0	0	0

7	FORM	following	175.0728607	27	2	25	1	1	0	0	0	0	0	0	15	3	7
8	SIMPLIFY	following	159.7805481	22	21	1	0	20	0	1	0	0	0	0	0	0	1
9	FACTORISE	following	154.4219208	20	19	1	0	18	0	1	0	0	0	0	1	0	0
10	EVALUATE	following	153.9877014	24	24	0	0	12	0	12	0	0	0	0	0	0	0
11	FRACTION	following	122.1515503	18	4	14	1	0	3	0	0	0	0	0	8	6	0
12	EQUATIONS	following	119.129097	19	5	14	3	0	2	0	0	0	11	0	0	1	2
13	SHOWS	following	108.8592224	16	0	16	0	0	0	0	0	0	0	6	6	4	0
14	DIAGRAMS	following	107.8614349	12	0	12	0	0	0	0	0	0	10	1	1	0	0
15	WRITE	following	106.6874008	21	10	11	0	7	1	2	0	0	4	3	0	4	0
16	GIVES	following	99.58068085	11	0	11	0	0	0	0	0	0	0	1	9	0	1
17	LINES	following	98.34680176	16	1	15	0	1	0	0	0	0	9	0	2	0	4
18	FALSE	following	95.58498383	9	2	7	2	0	0	0	0	0	0	0	1	2	4
19	STATEMENTS	following	87.61602783	8	0	8	0	0	0	0	0	0	8	0	0	0	0
20	ANSWER	following	86.22329712	15	1	14	0	0	0	1	0	0	0	0	10	4	0
21	CERTAIN	following	85.32645416	11	3	8	0	3	0	0	0	0	0	0	0	8	0
22	SOLVE	following	83.38531494	18	16	2	0	14	0	2	0	0	0	0	0	0	2
23	TEST	following	79.82935333	11	10	1	9	0	0	1	0	0	0	0	0	1	0
24	NUMBERS	following	78.88266754	17	4	13	3	0	1	0	0	0	6	0	7	0	0
25	SETS	following	77.09903717	11	0	11	0	0	0	0	0	0	10	0	0	0	1
26	MEAN	following	75.6934433	15	7	8	3	0	4	0	0	0	0	1	0	7	0
27	GROUPED	following	74.08321381	8	0	8	0	0	0	0	0	0	7	0	0	1	0
28	CONSTRUCTED	following	73.72208405	7	7	0	0	0	7	0	0	0	0	0	0	0	0
29	DIMENSIONS	following	71.74423218	9	0	9	0	0	0	0	0	0	0	1	5	3	0
30	TRIANGLES	following	70.41268921	12	2	10	1	0	0	1	0	0	6	0	4	0	0
31	TRUE	following	64.83042145	8	0	8	0	0	0	0	0	0	1	3	4	0	0
32	ELEMENTS	following	64.53999329	10	10	0	4	0	6	0	0	0	0	0	0	0	0
33	TABLES	following	64.15053558	7	0	7	0	0	0	0	0	0	7	0	0	0	0
34	QUESTIONS	following	63.45999527	11	0	11	0	0	0	0	0	0	8	3	0	0	0
35	FACT	following	60.52126312	6	0	6	0	0	0	0	0	0	6	0	0	0	0
36	COPY	following	60.11951065	8	7	1	0	6	0	1	0	0	0	1	0	0	0
37	INDEX	following	54.83240509	8	6	2	0	6	0	0	0	0	0	1	0	1	0
38	INFORMATION	following	54.42834473	10	1	9	0	0	0	1	0	0	1	0	0	0	8
39	SOLVED	following	54.31341934	8	8	0	0	0	8	0	0	0	0	0	0	0	0

40	SIMPLEST	following	54.26158142	6	0	6	0	0	0	0	0	0	0	0	1	5	0
41	METHOD	following	53.77789307	9	2	7	1	0	0	0	1	0	4	1	1	1	0
42	RATIOS	following	52.2718811	7	0	7	0	0	0	0	0	0	7	0	0	0	0
43	FRACTIONS	following	51.95008469	8	3	5	1	0	2	0	0	0	1	3	0	0	1
44	COUPLES	following	51.40703964	6	0	6	0	0	0	0	0	0	1	5	0	0	0
45	FACTORS	following	50.16337585	9	7	2	6	0	1	0	0	0	0	2	0	0	0
46	CONSTRUCTING	following	49.13316345	5	3	2	2	0	1	0	0	0	0	0	0	0	2
47	SURD	following	49.11120224	6	2	4	2	0	0	0	0	0	0	1	0	1	2
48	USE	following	48.627491	11	11	0	0	1	0	10	0	0	0	0	0	0	0
49	FIGURES	following	48.60090256	6	1	5	0	0	1	0	0	0	5	0	0	0	0
50	CALCULATE	following	48.56499481	18	11	7	2	9	0	0	0	0	4	1	1	0	1
51	DECIMAL	following	48.35971451	9	2	7	0	0	2	0	0	0	0	0	3	3	1
52	NOTATION	following	47.19626617	7	6	1	0	0	6	0	0	0	0	0	0	0	1
53	WHETHER	following	47.1905365	6	6	0	0	5	0	1	0	0	0	0	0	0	0
54	GIVEN	following	46.03573608	13	6	7	1	2	0	3	0	0	0	0	0	6	1
55	SINGLE	following	45.16067123	6	0	6	0	0	0	0	0	0	0	0	5	1	0
56	PAIRS	following	42.80350494	6	0	6	0	0	0	0	0	0	6	0	0	0	0
57	CASES	following	42.41644287	5	3	2	0	0	0	3	0	0	0	2	0	0	0
58	QUANTITY	following	41.10263824	6	2	4	0	0	2	0	0	0	0	0	0	3	1
59	GRAPH	following	39.22000885	11	9	2	0	9	0	0	0	0	0	0	1	0	1
60	EXAMPLE	following	38.22753906	12	8	4	1	5	2	0	0	0	2	1	1	0	0
61	CONSIDER	following	38.09553528	6	6	0	0	0	0	6	0	0	0	0	0	0	0
62	LIST	following	37.69479752	6	6	0	5	0	0	1	0	0	0	0	0	0	0
63	INDICATE	following	37.68716431	5	1	4	0	0	0	1	0	0	0	0	4	0	0
64	MISSING	following	36.9325943	6	0	6	0	0	0	0	0	0	0	0	0	0	6
65	CUMULATIVE	following	36.39214706	6	1	5	1	0	0	0	0	0	5	0	0	0	0
66	PROBLEMS	following	36.04538345	6	1	5	0	0	0	1	0	0	5	0	0	0	0
67	ILLUSTRATE	following	35.87582779	6	6	0	0	1	0	5	0	0	0	0	0	0	0
68	CENTIMETRES	following	35.36013412	5	0	5	0	0	0	0	0	0	0	0	0	0	5
69	NUMBER	following	34.94669724	15	1	14	1	0	0	0	0	0	0	2	3	6	3
70	MODE	following	34.90771103	6	5	1	3	0	2	0	0	0	0	0	0	0	1
71	STEP	following	34.60227966	6	0	6	0	0	0	0	0	0	1	2	1	1	1
72	LOOK	following	33.00602341	5	2	3	0	0	2	0	0	0	1	1	1	0	0

73	DIAGRAM	following	29.19482422	9	2	7	1	1	0	0	0	0	0	0	0	3	4
74	FILL	following	28.45685577	5	0	5	0	0	0	0	0	0	0	5	0	0	0
75	USING	following	28.04756927	7	1	6	1	0	0	0	0	0	3	2	0	1	0
76	MARKS	following	27.75807381	5	1	4	0	1	0	0	0	0	0	1	0	0	3
77	REPRESENT	following	27.45524216	6	5	1	0	3	0	2	0	0	0	0	1	0	0
78	ANGLE	following	27.24394989	9	9	0	8	0	1	0	0	0	0	0	0	0	0
79	INTEREST	following	27.03472137	7	6	1	2	1	3	0	0	0	0	0	0	0	1
80	POINTS	following	26.55751801	7	1	6	1	0	0	0	0	0	4	0	2	0	0
81	CHART	following	26.03701973	5	2	3	0	2	0	0	0	0	0	3	0	0	0
82	PLACES	following	24.87509155	5	1	4	0	0	0	1	0	0	0	0	0	1	3
83	CALCULATOR	following	23.93074036	5	3	2	3	0	0	0	0	0	0	0	1	1	0
84	MULTiPLY	following	23.63631058	6	3	3	2	0	1	0	0	0	2	0	0	0	1
85	AREA	following	23.12802505	10	10	0	10	0	0	0	0	0	0	0	0	0	0
86	VENN	following	22.06575012	5	0	5	0	0	0	0	0	0	1	1	0	3	0
87	SHOW	following	21.49649429	5	4	1	3	1	0	0	0	0	0	0	1	0	0
88	CORRECT	following	21.31118202	6	0	6	0	0	0	0	0	0	2	3	0	1	0
89	ANGLES	following	21.17927361	7	2	5	2	0	0	0	0	0	3	0	1	1	0
90	PEOPLE	following	19.56181145	6	1	5	0	1	0	0	0	0	0	0	3	2	0
91	DRAW	following	18.0356636	6	4	2	3	0	0	1	0	0	1	0	1	0	0
92	DOMAIN	following	17.58651352	5	1	4	1	0	0	0	0	0	0	0	0	0	4
93	RIGHT	following	16.77960205	5	1	4	0	1	0	0	0	0	3	0	0	1	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BLANKS	following	804.9484253	54	0	54	0	0	0	0	0	0	0	0	0	0	54
2	FILL	following	634.6538696	55	1	54	0	0	0	1	0	0	0	54	0	0	0
3	REWRITE	following	578.210144	39	39	0	0	0	0	39	0	0	0	0	0	0	0
4	COPY	following	198.8820953	16	16	0	0	0	0	16	0	0	0	0	0	0	0
5	SCIENCE	following	141.8128815	18	18	0	7	10	1	0	0	0	0	0	0	0	0
6	CIRCUITS	following	79.58935547	9	0	9	0	0	0	0	0	0	8	1	0	0	0
7	DISCOVERING	following	79.08493805	11	11	0	10	1	0	0	0	0	0	0	0	0	0
8	COMPLETE	following	60.80645752	7	6	1	0	0	0	6	0	0	0	0	1	0	0

9	ANSWER	following	59.76288223	7	7	0	0	0	0	7	0	0	0	0	0	0	0
10	TABLE	following	50.52717972	8	3	5	1	0	2	0	0	0	5	0	0	0	0
11	SET	following	48.84475708	8	6	2	1	0	5	0	0	0	0	0	0	1	1
12	QUESTIONS	following	44.9967041	6	0	6	0	0	0	0	0	0	5	1	0	0	0
13	USE	following	43.54314423	9	7	2	1	1	1	4	0	0	0	2	0	0	0
14	SYMBOLS	following	43.19516373	5	2	3	0	0	1	1	0	0	1	2	0	0	0
15	APPARATUS	following	42.71271515	8	2	6	0	0	2	0	0	0	3	0	1	0	2
16	MEASURE	following	37.70032883	6	4	2	2	1	0	1	0	0	0	0	2	0	0
17	LENGTH	following	34.44770813	5	4	1	0	0	4	0	0	0	0	0	1	0	0
18	USING	following	32.22933197	7	2	5	1	0	0	1	0	0	0	4	1	0	0
19	SHOWS	following	29.77005577	5	0	5	0	0	0	0	0	0	0	5	0	0	0
20	FIND	following	27.89920235	6	5	1	5	0	0	0	0	0	0	0	0	0	1
21	LIKE	following	26.25395966	5	5	0	0	1	0	4	0	0	0	0	0	0	0
22	ACID	following	17.61866951	5	2	3	0	0	1	1	0	0	0	1	1	1	0
23	OXYGEN	following	15.91281509	5	1	4	0	0	0	1	0	0	0	0	1	1	2

4. The most significant collocates of *used* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WORDS	used	122.5309143	21	19	2	0	4	0	5	10	0	1	0	1	0	0
2	TECHNIQUES	used	98.40155029	9	8	1	0	0	1	0	7	0	0	0	0	1	0
3	LANGUAGE	used	87.51725769	12	12	0	0	2	2	3	5	0	0	0	0	0	0
4	ENGLISH	used	76.90425873	10	9	1	2	0	4	1	2	0	0	0	0	1	0
5	KIND	used	52.18446732	8	6	2	2	4	0	0	0	0	0	0	0	1	1
6	EFFECTIVELY	used	51.96878815	5	1	4	0	0	0	0	1	0	3	1	0	0	0
7	DESCRIBE	used	49.2712822	9	2	7	1	0	1	0	0	0	0	4	1	0	2
8	IMAGE	used	44.18559647	6	5	1	2	0	2	0	1	0	0	0	0	1	0
9	PHRASES	used	41.45129013	6	6	0	0	2	0	2	2	0	0	0	0	0	0
10	COMMENT	used	40.98442459	5	5	0	0	5	0	0	0	0	0	0	0	0	0
11	EFFECT	used	39.96879196	5	1	4	0	1	0	0	0	0	0	0	2	0	2
12	ADVERTISEMENTS	used	39.40611267	5	1	4	0	0	0	1	0	0	0	2	2	0	0
13	QUOTATIONS	used	39.22547531	5	5	0	0	0	2	3	0	0	0	0	0	0	0
14	POEM	used	35.37740326	9	0	9	0	0	0	0	0	0	0	0	7	0	2
15	CREATE	used	34.16355896	5	0	5	0	0	0	0	0	0	0	4	1	0	0
16	WORD	used	32.52999115	6	4	2	1	0	1	1	1	0	0	0	1	0	1
17	SHOW	used	30.38462067	6	0	6	0	0	0	0	0	0	0	4	1	0	1
18	LETTERS	used	30.32943153	5	5	0	0	1	1	2	1	0	0	0	0	0	0
19	WRITER	used	29.56531143	6	2	4	0	0	0	1	1	0	0	0	4	0	0
20	TONE	used	29.37130547	5	5	0	0	0	2	0	3	0	0	0	0	0	0
21	LINE	used	25.29759598	5	2	3	0	1	0	1	0	0	0	1	2	0	0
22	STORY	used	24.97180939	8	1	7	1	0	0	0	0	0	0	0	5	1	1
23	EXAMPLE	used	24.88236427	5	5	0	3	2	0	0	0	0	0	0	0	0	0
24	WELL	used	24.11712265	6	2	4	1	0	1	0	0	0	0	1	0	0	3
25	OWN	used	21.34405327	5	3	2	0	0	3	0	0	0	0	1	0	0	1
26	MAKE	used	16.38809204	5	0	5	0	0	0	0	0	0	0	2	1	0	2
27	PEOPLE	used	15.88126373	5	2	3	0	0	0	2	0	0	0	0	2	1	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MAKE	used	131.3894501	18	3	15	1	1	1	0	0	0	0	12	1	2	0
2	PEAT	used	107.4473495	15	9	6	0	2	2	4	1	0	1	1	0	2	2
3	GENERATE	used	100.7263031	9	1	8	0	0	0	1	0	0	0	8	0	0	0
4	TRANSPORT	used	81.34946442	13	5	8	0	1	0	3	1	0	0	3	1	2	2
5	MEASURE	used	72.04894257	9	0	9	0	0	0	0	0	0	0	9	0	0	0
6	INSTRUMENT	used	68.95006561	5	5	0	0	0	0	1	4	0	0	0	0	0	0
7	POWER	used	67.3108139	10	1	9	0	1	0	0	0	0	0	4	3	0	2
8	ENERGY	used	64.71378326	10	6	4	0	1	2	3	0	0	0	0	1	1	2
9	HUMIDITY	used	59.54004669	7	3	4	0	2	1	0	0	0	0	0	0	2	2
10	CONCRETE	used	54.70759201	6	2	4	0	1	1	0	0	0	0	0	2	0	2
11	OFFICES	used	53.23491287	6	0	6	0	0	0	0	0	0	0	5	1	0	0
12	RELATIVE	used	52.78208542	6	2	4	1	1	0	0	0	0	0	0	2	2	0
13	RESOURCE	used	51.69701004	8	6	2	1	3	1	1	0	0	0	0	2	0	0
14	ELECTRICITY	used	51.61045837	7	1	6	0	0	0	0	1	0	0	0	5	1	0
15	FUEL	used	50.02066422	6	2	4	1	0	1	0	0	0	0	0	2	0	2
16	COAL	used	49.42605209	7	3	4	1	0	1	0	1	0	1	0	2	0	1
17	WIDELY	used	48.69086075	6	3	3	0	0	0	0	3	0	3	0	0	0	0
18	ROCK	used	41.69448853	9	7	2	2	3	2	0	0	0	0	0	1	0	1
19	BUILDING	used	41.55907822	7	2	5	0	0	0	1	1	0	0	2	3	0	0
20	SHOW	used	40.95546341	7	1	6	1	0	0	0	0	0	0	5	1	0	0
21	MATERIALS	used	40.85744095	7	3	4	2	0	0	0	1	0	0	0	2	2	0
22	SOURCE	used	39.83214569	6	1	5	0	1	0	0	0	0	0	0	3	2	0
23	WATER	used	39.65615845	12	5	7	0	1	1	2	1	0	0	3	1	2	1
24	CARRY	used	38.87886047	5	0	5	0	0	0	0	0	0	0	5	0	0	0
25	STONE	used	32.21635437	5	2	3	0	1	1	0	0	0	1	1	0	0	1
26	ROCKS	used	31.45584297	6	5	1	0	1	0	2	2	0	0	1	0	0	0
27	SUPPLY	used	30.38876534	5	2	3	1	0	1	0	0	0	0	0	2	1	0
28	IRON	used	30.38876534	5	2	3	0	2	0	0	0	0	0	1	2	0	0
29	GRID	used	30.18122292	7	7	0	1	0	5	1	0	0	0	0	0	0	0

30	MAPS	used	29.92354965	7	2	5	2	0	0	0	0	0	0	0	3	2	0
31	FARMING	used	29.43814278	5	2	3	0	0	1	0	1	0	0	1	2	0	0
32	PAST	used	26.81541443	5	4	1	0	1	2	1	0	0	0	0	0	1	0
33	LAND	used	26.70055389	8	7	1	2	1	1	3	0	0	0	1	0	0	0
34	LAKES	used	26.15136147	5	5	0	0	1	3	1	0	0	0	0	0	0	0
35	DESCRIBE	used	25.57172203	6	1	5	0	1	0	0	0	0	0	5	0	0	0
36	LIMESTONE	used	25.53089142	5	5	0	0	0	2	2	1	0	0	0	0	0	0
37	RIVERS	used	25.52952766	6	5	1	0	1	1	3	0	0	0	0	0	0	1
38	IRELAND	used	23.98705292	8	2	6	0	0	1	1	0	0	1	3	0	0	2
39	SCALE	used	22.48295975	5	4	1	0	0	0	2	2	0	1	0	0	0	0
40	OIL	used	21.92297745	5	2	3	0	0	1	1	0	0	0	0	2	1	0
41	ACTIVITIES	used	21.58695602	6	2	4	0	1	1	0	0	0	0	0	3	1	0
42	PHOTOGRAPHS	used	21.05964851	5	3	2	1	0	0	2	0	0	0	0	0	1	1
43	WEATHER	used	21.05964851	5	4	1	1	1	0	2	0	0	0	0	0	0	1
44	LARGE	used	18.76982498	6	4	2	2	0	2	0	0	0	0	1	0	1	0
45	FOLLOWING	used	17.1173172	6	5	1	0	2	1	2	0	0	0	0	0	1	0

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	STEAM	used	133.4375	16	10	6	1	4	3	2	0	0	1	0	3	0	2
2	METHODS	used	126.400589	15	13	2	0	2	1	7	3	0	0	2	0	0	0
3	TACTICS	used	124.6072159	13	6	7	0	1	0	1	4	0	0	4	2	0	1
4	DESCRIBE	used	103.8174896	16	9	7	1	3	5	0	0	0	0	7	0	0	0
5	MAKE	used	103.0245667	17	0	17	0	0	0	0	0	0	0	12	1	1	3
6	BUILD	used	85.4071579	12	0	12	0	0	0	0	0	0	0	10	1	0	1
7	STONE	used	72.96775055	14	6	8	1	1	3	1	0	0	4	2	2	0	0
8	PROPAGANDA	used	68.23419952	9	3	6	0	0	0	3	0	0	2	1	2	1	0
9	PEOPLE	used	66.95879364	23	11	12	1	1	0	3	6	0	0	2	5	4	1
10	WEAPONS	used	65.97499847	11	6	5	0	0	1	1	4	0	0	1	1	3	0
11	STORING	used	65.2256012	5	1	4	1	0	0	0	0	0	0	3	1	0	0
12	POWER	used	62.07493591	13	3	10	0	1	2	0	0	0	0	6	2	2	0

13	BRONZE	used	61.35017776	10	4	6	0	0	4	0	0	0	1	2	2	0	1
14	TOOLS	used	60.56090546	8	4	4	1	1	1	0	1	0	0	2	0	1	1
15	COOKING	used	60.49704742	7	2	5	0	1	0	1	0	0	0	3	1	1	0
16	CELTS	used	57.23002243	9	7	2	0	0	0	2	5	0	0	1	1	0	0
17	IRON	used	54.82643509	10	3	7	1	2	0	0	0	0	1	0	1	3	2
18	MACHINES	used	53.23978424	7	5	2	2	0	0	2	1	0	0	0	0	2	0
19	EXCUSE	used	52.87200546	5	0	5	0	0	0	0	0	0	0	0	1	1	3
20	TYPES	used	51.272995	7	4	3	1	2	1	0	0	0	1	1	1	0	0
21	PORRIDGE	used	50.08496857	5	1	4	1	0	0	0	0	0	0	0	0	0	4
22	GUERRILLA	used	49.73911285	6	3	3	0	1	0	2	0	0	2	0	0	1	0
23	FOOD	used	49.5259552	10	1	9	0	1	0	0	0	0	0	0	7	2	0
24	METHOD	used	48.77978134	6	4	2	0	1	1	0	2	0	0	1	1	0	0
25	INSTRUMENTS	used	47.92578888	5	5	0	0	0	0	1	4	0	0	0	0	0	0
26	THREAD	used	47.00277328	5	3	2	0	0	3	0	0	0	0	2	0	0	0
27	MACHINERY	used	46.67575836	6	3	3	0	0	0	3	0	0	0	0	0	3	0
28	LETTERS	used	45.92914581	6	5	1	1	2	0	2	0	0	0	1	0	0	0
29	WIDELY	used	45.38304901	5	5	0	0	0	0	0	5	0	0	0	0	0	0
30	FIADH	used	44.66362762	5	5	0	0	0	0	5	0	0	0	0	0	0	0
31	LATER	used	41.53274918	9	8	1	0	0	2	0	6	0	0	0	1	0	0
32	WHEAT	used	41.46792603	6	4	2	2	2	0	0	0	0	0	0	2	0	0
33	NAME	used	41.44313049	10	10	0	2	0	7	1	0	0	0	0	0	0	0
34	AXES	used	41.1933403	5	3	2	1	1	0	1	0	0	0	1	0	1	0
35	ARCHAEOLOGISTS	used	39.79330063	7	3	4	3	0	0	0	0	0	0	2	2	0	0
36	HITLER	used	39.74766922	10	10	0	0	0	0	2	8	0	0	0	0	0	0
37	PRESS	used	38.82246399	6	0	6	0	0	0	0	0	0	1	2	1	1	1
38	TOWERS	used	37.909935	5	4	1	0	0	1	3	0	0	0	0	1	0	0
39	SAILORS	used	37.87582779	6	3	3	0	0	0	0	3	0	0	1	2	0	0
40	BARLEY	used	36.01286316	5	4	1	0	0	2	2	0	0	0	0	0	1	0
41	ENGINE	used	35.7295723	5	5	0	1	0	3	1	0	0	0	0	0	0	0
42	ARTISTS	used	35.42655945	6	6	0	0	0	1	1	4	0	0	0	0	0	0
43	OBJECTS	used	32.84909058	5	0	5	0	0	0	0	0	0	0	0	1	2	2

44	MONEY	used	30.77388	6	5	1	1	2	0	2	0	0	0	1	0	0	0
45	THINK	used	29.83740807	5	5	0	2	3	0	0	0	0	0	0	0	0	0
46	ROMANS	used	28.47816467	6	5	1	0	0	0	0	5	0	0	0	1	0	0
47	INSTEAD	used	28.29427528	5	0	5	0	0	0	0	0	0	2	1	1	1	0
48	AGAINST	used	28.03057289	7	0	7	0	0	0	0	0	0	2	0	2	2	1
49	RELIGIOUS	used	27.70700264	6	0	6	0	0	0	0	0	0	0	2	0	2	2
50	WATER	used	27.63274574	6	1	5	0	0	1	0	0	0	1	0	3	0	1
51	FORCE	used	27.55898285	6	4	2	0	1	1	1	1	0	0	0	2	0	0
52	FACTORIES	used	27.42782402	5	1	4	0	0	0	1	0	0	0	1	1	1	1
53	COAL	used	25.80078506	5	2	3	0	0	1	0	1	0	0	0	3	0	0
54	AGE	used	24.8135643	7	4	3	1	1	0	2	0	0	0	0	2	1	0
55	EUROPEAN	used	24.69106865	7	4	3	2	0	1	1	0	0	0	1	2	0	0
56	HELP	used	24.27766991	6	0	6	0	0	0	0	0	0	0	4	1	0	1
57	LAND	used	24.01229668	8	5	3	2	1	1	1	0	0	0	1	1	1	0
58	ATTACK	used	23.74980545	5	0	5	0	0	0	0	0	0	0	2	0	1	2
59	COMMON	used	23.43491745	5	4	1	1	1	1	1	0	0	0	1	0	0	0
60	SYSTEM	used	22.27262497	5	4	1	1	0	2	1	0	0	0	0	0	1	0
61	LARGE	used	21.98087883	6	4	2	0	1	1	2	0	0	0	0	1	1	0
62	LITTLE	used	21.67803955	5	3	2	0	1	1	0	1	0	1	1	0	0	0
63	RENAISSANCE	used	21.21808624	6	6	0	0	1	1	3	1	0	0	0	0	0	0
64	NEW	used	20.21334648	8	1	7	1	0	0	0	0	0	1	3	0	0	3
65	SHIPS	used	19.27583504	5	3	2	1	1	0	0	1	0	0	1	1	0	0
66	YEAR	used	19.21939087	7	5	2	2	2	0	1	0	0	0	2	0	0	0
67	WAR	used	18.97269249	10	3	7	1	0	1	1	0	0	1	2	3	1	0
68	MADE	used	18.69615555	7	7	0	2	2	0	3	0	0	0	0	0	0	0
69	GOVERNMENT	used	18.47938538	9	5	4	0	0	2	0	3	0	0	0	0	3	1
70	EXPLAIN	used	17.54518318	5	3	2	1	0	2	0	0	0	0	1	0	1	0
71	TIME	used	16.80586815	6	3	3	1	1	1	0	0	0	0	0	2	0	1

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SKILLS	used	113.6211166	12	9	3	0	0	1	7	1	0	0	1	0	1	1
2	SKILL	used	80.78486633	7	4	3	0	1	0	3	0	0	0	3	0	0	0
3	LAND	used	45.50339508	6	6	0	0	0	5	0	1	0	0	0	0	0	0
4	ACTION	used	34.807724	8	2	6	1	1	0	0	0	0	0	1	0	3	2
5	SCHOOL	used	20.43118858	5	2	3	1	0	1	0	0	0	0	0	1	2	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LINK	used	113.6574	9	9	0	0	0	0	0	9	0	0	0	0	0	0
2	FORM	used	112.2573	13	0	13	0	0	0	0	0	0	0	13	0	0	0
3	METHOD	used	74.8944	8	8	0	2	2	1	1	2	0	0	0	0	0	0
4	GIVEN	used	74.63684	11	1	10	1	0	0	0	0	0	0	0	1	1	8
5	EQUATION	used	70.82777	11	1	10	0	0	0	1	0	0	0	0	0	10	0
6	CASE	used	59.20387	6	6	0	2	4	0	0	0	0	0	0	0	0	0
7	LETTERS	used	51.30541	5	4	1	0	0	1	3	0	0	0	0	0	0	1
8	PROBLEMS	used	46.15948	5	3	2	0	3	0	0	0	0	0	0	1	0	1
9	CM	used	23.19374	6	6	0	1	1	0	4	0	0	0	0	0	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	APPARATUS	used	1654.529785	174	170	4	0	1	85	2	82	0	0	0	0	2	2
2	CHEMICALS	used	885.4023438	95	94	1	1	0	1	3	89	0	0	0	0	0	1
3	MEASURE	used	353.0657043	45	0	45	0	0	0	0	0	0	0	44	0	1	0
4	TEST	used	252.2562714	53	3	50	0	3	0	0	0	0	6	31	8	2	3
5	SMALL	used	174.6454315	34	3	31	0	1	0	2	0	0	9	6	14	1	1
6	SEPARATE	used	160.3006744	22	1	21	1	0	0	0	0	0	0	21	0	0	0
7	MAKE	used	147.9262085	31	2	29	0	1	0	0	1	0	0	24	1	2	2
8	BEAKER	used	141.5727997	27	0	27	0	0	0	0	0	0	12	4	5	0	6

9	WIDELY	used	135.5545807	12	11	1	0	0	0	0	11	0	1	0	0	0	0
10	COMMONLY	used	127.6038895	12	12	0	0	0	0	0	12	0	0	0	0	0	0
11	POWER	used	118.781723	21	2	19	1	0	0	1	0	0	7	2	6	0	4
12	ENERGY	used	117.7151108	37	33	4	3	5	8	7	10	0	0	2	1	0	1
13	TUBES	used	109.806572	19	1	18	0	0	0	1	0	0	0	0	9	9	0
14	WATER	used	105.8286057	50	20	30	2	11	2	4	1	0	1	0	13	7	9
15	UNITS	used	95.7671051	14	14	0	0	3	4	2	5	0	0	0	0	0	0
16	INSTRUMENT	used	93.27256012	11	11	0	2	1	0	2	6	0	0	0	0	0	0
17	PACK	used	93.27256012	11	0	11	0	0	0	0	0	0	0	7	0	4	0
18	HEAT	used	92.51616669	27	17	10	1	5	4	3	4	0	0	6	0	1	3
19	TUBE	used	80.95146179	23	2	21	0	0	1	1	0	0	0	6	11	2	2
20	EQUIPMENT	used	77.06237793	10	8	2	1	1	2	1	3	0	0	0	1	0	1
21	BAROMETER	used	73.79123688	11	10	1	0	0	3	6	1	0	0	0	1	0	0
22	GLASS	used	72.41740417	17	4	13	1	0	2	1	0	0	0	1	4	4	4
23	ELECTRONIC	used	72.24903107	11	2	9	1	0	1	0	0	0	4	1	0	3	1
24	MAKING	used	71.49862671	12	0	12	0	0	0	0	0	0	0	7	3	1	1
25	CURRENT	used	71.49086761	20	10	10	1	1	2	5	1	0	0	0	2	7	1
26	ELECTRICITY	used	71.2357254	17	13	4	0	3	1	3	6	0	0	1	2	0	1
27	FUNNEL	used	67.89154053	11	2	9	0	0	0	2	0	0	1	2	0	4	2
28	STEEL	used	67.00128174	11	7	4	2	0	2	1	2	0	0	0	1	0	3
29	CLOTHING	used	66.86846161	7	1	6	0	0	0	0	1	0	0	1	1	2	2
30	SPECTACLES	used	65.52194977	6	0	6	0	0	0	0	0	0	0	4	1	0	1
31	ANIMALS	used	61.69435501	16	2	14	1	1	0	0	0	0	2	1	4	7	0
32	MAGNETS	used	61.63580322	9	7	2	0	0	1	4	2	0	0	0	1	0	1
33	LATENT	used	61.63155746	8	6	2	4	1	1	0	0	0	0	0	0	2	0
34	LEDS	used	61.2600708	7	7	0	0	0	1	6	0	0	0	0	0	0	0
35	FOOD	used	61.04857635	21	4	17	1	3	0	0	0	0	0	0	10	4	3
36	BALANCE	used	60.75741959	11	5	6	1	2	2	0	0	0	0	5	0	0	1
37	LENSES	used	60.35024261	8	8	0	1	0	2	5	0	0	0	0	0	0	0
38	FIRE	used	60.32962036	11	3	8	1	0	1	0	1	0	0	3	1	3	1
39	ESTIMATE	used	58.19771576	7	0	7	0	0	0	0	0	0	0	7	0	0	0

40	LAW	used	57.38385391	10	6	4	2	0	2	2	0	0	0	0	0	4	0
41	CIRCUIT	used	57.04089355	15	11	4	0	0	0	4	7	0	0	0	4	0	0
42	ELECTRIC	used	56.24176788	13	7	6	0	1	6	0	0	0	0	1	1	1	3
43	NUMBER	used	55.7570076	14	7	7	4	0	3	0	0	0	1	1	0	3	2
44	DIFFERENT	used	55.71833038	16	9	7	4	1	3	1	0	0	0	0	1	3	3
45	STOPPER	used	54.93157959	9	1	8	0	1	0	0	0	0	0	1	0	3	4
46	BACTERIA	used	54.78541183	11	8	3	1	2	0	5	0	0	0	0	1	1	1
47	ALTIMETER	used	53.97467041	5	4	1	1	0	1	1	1	0	0	0	1	0	0
48	METHOD	used	53.91004181	17	15	2	1	1	3	3	7	0	0	0	0	1	1
49	CALLED	used	51.39832306	18	11	7	4	3	1	3	0	0	0	2	0	2	3
50	CALLIPERS	used	51.11532593	6	4	2	0	1	1	2	0	0	0	1	0	1	0
51	LARGE	used	50.33218765	12	1	11	0	0	1	0	0	0	8	0	1	1	1
52	PAPER	used	49.80154419	15	7	8	1	0	1	5	0	0	0	2	3	3	0
53	VARIOUS	used	49.72041321	10	4	6	1	0	3	0	0	0	1	1	3	0	1
54	TERM	used	48.40695572	6	6	0	0	1	1	1	3	0	0	0	0	0	0
55	COMPASSES	used	48.40695572	6	4	2	0	0	1	2	1	0	0	1	0	0	1
56	BUNSEN	used	47.83891678	11	0	11	0	0	0	0	0	0	1	0	4	3	3
57	MAGNET	used	47.60952759	11	4	7	0	0	2	1	1	0	0	6	0	0	1
58	COLLECT	used	47.36116791	8	0	8	0	0	0	0	0	0	0	8	0	0	0
59	MEDICINE	used	46.20993042	6	3	3	0	2	1	0	0	0	0	2	0	0	1
60	UNIT	used	45.82243347	9	7	2	1	2	0	0	4	0	0	1	0	0	1
61	BAR	used	45.65109253	9	2	7	0	2	0	0	0	0	6	1	0	0	0
62	SHIPS	used	45.53953552	5	0	5	0	0	0	0	0	0	0	2	2	0	1
63	SHOW	used	44.83530045	14	2	12	2	0	0	0	0	0	0	10	1	1	0
64	CAMERAS	used	44.24954605	5	1	4	0	1	0	0	0	0	0	0	2	0	2
65	TRANSECT	used	43.11237717	5	5	0	0	0	0	5	0	0	0	0	0	0	0
66	HOFFMAN	used	43.11237717	5	3	2	1	0	2	0	0	0	2	0	0	0	0
67	SUBSTANCES	used	42.77230453	11	6	5	0	1	0	2	3	0	0	2	1	0	2
68	PIPETTE	used	42.76469421	6	4	2	0	0	1	3	0	0	0	1	0	1	0
69	OHM'S	used	42.76469421	6	2	4	0	1	1	0	0	0	0	0	4	0	0
70	GAS	used	42.32206345	15	6	9	0	4	1	0	1	0	1	3	2	1	2

71	KW	used	42.27761841	6	2	4	1	0	0	1	0	0	0	0	0	1	3
72	VOLUME	used	41.98373032	11	4	7	1	1	1	0	1	0	0	0	0	5	2
73	PLASTIC	used	41.85162354	9	4	5	0	1	1	2	0	0	1	2	1	0	1
74	DETERMINE	used	40.33339691	5	0	5	0	0	0	0	0	0	0	3	0	1	1
75	GRADUATED	used	40.1937561	7	0	7	0	0	0	0	0	0	3	2	2	0	0
76	CHROMATOGRAPH	used	40.10720825	6	5	1	0	1	1	3	0	0	0	0	1	0	0
77	PLANTS	used	39.78127289	15	11	4	1	1	0	6	3	0	1	0	0	2	1
78	VOLTAMETER	used	39.55932617	5	3	2	0	1	0	2	0	0	0	2	0	0	0
79	OPISOMETER	used	39.55932617	5	3	2	0	1	1	1	0	0	1	0	0	1	0
80	RETORT	used	39.43925476	8	1	7	0	0	1	0	0	0	1	0	4	1	1
81	FLASK	used	39.08607864	10	0	10	0	0	0	0	0	0	2	2	5	1	0
82	DEVICES	used	38.84224319	5	1	4	0	0	0	1	0	0	0	0	2	1	1
83	KILOWATT	used	38.84224319	5	3	2	1	0	2	0	0	0	0	0	1	1	0
84	BALLOONS	used	38.17430496	5	0	5	0	0	0	0	0	0	0	2	1	2	0
85	ELECTROLYSIS	used	37.94478607	6	3	3	0	0	2	1	0	0	0	0	3	0	0
86	MATERIALS	used	37.8262558	11	8	3	0	3	3	0	2	0	0	1	1	1	0
87	BULBS	used	37.75848389	7	2	5	0	0	1	1	0	0	0	0	1	1	3
88	ALLOY	used	37.3050766	6	6	0	2	0	1	2	1	0	0	0	0	0	0
89	SOLIDS	used	36.83455276	8	2	6	0	1	0	1	0	0	0	0	1	2	3
90	ELECTRICAL	used	36.24924469	10	6	4	1	0	1	4	0	0	0	1	3	0	0
91	HOUR	used	36.12285614	6	3	3	2	1	0	0	0	0	0	2	1	0	0
92	METAL	used	35.86805344	10	3	7	0	0	2	1	0	0	3	0	0	1	3
93	CANNOT	used	35.80910873	8	6	2	0	0	0	6	0	0	0	0	1	1	0
94	PER	used	35.77652359	9	0	9	0	0	0	0	0	0	6	0	0	2	1
95	QUADRAT	used	35.38599777	5	3	2	0	0	0	3	0	0	0	2	0	0	0
96	TUBING	used	35.05054474	6	3	3	0	3	0	0	0	0	0	0	2	0	1
97	PERISCOPE	used	34.91271591	5	4	1	0	0	3	1	0	0	0	0	0	0	1
98	NUCLEAR	used	34.79737473	6	4	2	0	2	2	0	0	0	0	2	0	0	0
99	CYLINDER	used	34.38367844	7	0	7	0	0	0	0	0	0	0	3	2	2	0
100	ANIMAL	used	34.06024551	8	2	6	2	0	0	0	0	0	1	1	1	2	1
101	TEMPERATURE	used	33.73641968	11	5	6	2	2	1	0	0	0	0	0	4	2	0

102	AIR	used	33.54543304	15	13	2	1	5	4	3	0	0	0	0	1	1	0
103	ATMOSPHERIC	used	33.47584534	7	1	6	0	0	1	0	0	0	0	0	6	0	0
104	STARCH	used	33.20669174	8	5	3	1	2	0	2	0	0	0	0	0	1	2
105	NUMBERS	used	32.9510498	6	1	5	1	0	0	0	0	0	0	0	0	4	1
106	DROPPER	used	32.84038925	5	0	5	0	0	0	0	0	0	1	0	1	2	1
107	THERMOMETER	used	32.4989624	8	2	6	0	0	1	1	0	0	0	4	0	1	1
108	CONCAVE	used	32.47417831	5	4	1	0	1	3	0	0	0	0	0	0	0	1
109	TRIPOD	used	32.32891846	6	0	6	0	0	0	0	0	0	0	0	2	1	3
110	CELLS	used	31.83630753	11	5	6	0	3	1	1	0	0	0	1	0	4	1
111	CONTROL	used	31.54900551	6	1	5	0	0	0	1	0	0	0	4	1	0	0
112	BULB	used	31.36117935	8	2	6	0	1	1	0	0	0	0	0	0	2	4
113	ACID	used	31.20671272	12	8	4	2	1	2	1	2	0	0	0	0	2	2
114	LIQUID	used	31.1963768	11	9	2	3	1	3	1	1	0	0	0	1	0	1
115	METHODS	used	30.99733925	6	5	1	2	0	1	0	2	0	0	0	1	0	0
116	BURNER	used	30.73696518	8	0	8	0	0	0	0	0	0	0	1	0	4	3
117	CONVEX	used	30.23828506	5	4	1	1	1	2	0	0	0	0	0	1	0	0
118	ETC	used	29.72679329	8	2	6	0	2	0	0	0	0	0	0	1	0	5
119	PREPARE	used	29.6843586	5	0	5	0	0	0	0	0	0	0	5	0	0	0
120	KILL	used	29.6843586	5	1	4	0	0	1	0	0	0	0	4	0	0	0
121	AMMETER	used	29.6843586	5	1	4	0	0	0	1	0	0	0	0	3	0	1
122	LIGHT	used	28.79285812	14	6	8	1	0	1	4	0	0	1	1	3	1	2
123	SOLID	used	28.78411674	8	3	5	2	0	1	0	0	0	0	0	0	4	1
124	PRESSURE	used	28.26317406	10	3	7	0	2	0	1	0	0	0	0	1	6	0
125	CHANGE	used	27.2055912	8	0	8	0	0	0	0	0	0	0	6	0	0	2
126	IDENTIFY	used	27.10493279	5	0	5	0	0	0	0	0	0	0	5	0	0	0
127	IRON	used	26.99998474	9	3	6	1	0	2	0	0	0	0	3	3	0	0
128	VARIETY	used	26.90167236	5	2	3	2	0	0	0	0	0	0	1	0	2	0
129	HEIGHT	used	26.90167236	5	0	5	0	0	0	0	0	0	0	0	3	1	1
130	NAME	used	26.78757286	9	7	2	0	1	6	0	0	0	0	2	0	0	0
131	PLANT	used	26.73548698	11	4	7	1	1	0	2	0	0	0	1	3	1	2
132	SPRING	used	26.72086525	6	4	2	2	2	0	0	0	0	1	1	0	0	0

133	REACTION	used	26.53282928	7	4	3	0	4	0	0	0	0	0	0	1	2	0
134	SEE	used	26.37163925	9	1	8	1	0	0	0	0	0	0	8	0	0	0
135	STATE	used	26.24168396	6	4	2	1	0	3	0	0	0	0	0	0	2	0
136	RUBBER	used	26.12960625	5	2	3	0	1	1	0	0	0	0	0	0	0	3
137	STAND	used	26.11597443	7	1	6	0	0	0	1	0	0	0	1	0	4	1
138	PRESENCE	used	26.0097065	6	2	4	1	1	0	0	0	0	0	0	0	0	4
139	FUEL	used	25.94605064	5	2	3	0	0	0	0	2	0	0	0	0	1	2
140	METRE	used	25.78253174	6	0	6	0	0	0	0	0	0	2	3	1	0	0
141	OBJECTS	used	24.91831017	6	4	2	0	0	1	3	0	0	0	0	0	1	1
142	LEAD	used	24.81494904	6	3	3	0	0	0	0	3	0	0	0	3	0	0
143	DEMONSTRATE	used	23.92657661	6	2	4	0	1	1	0	0	0	0	4	0	0	0
144	SEEDS	used	23.87440491	7	1	6	0	0	0	1	0	0	0	1	1	1	3
145	LINES	used	22.87368774	5	3	2	2	0	0	1	0	0	0	0	0	0	2
146	HIGH	used	22.67585182	6	4	2	0	2	2	0	0	0	0	0	0	0	2
147	PRESENT	used	22.67585182	6	4	2	2	1	1	0	0	0	0	0	0	2	0
148	ALCOHOL	used	22.48929405	5	4	1	0	1	3	0	0	0	0	0	0	0	1
149	TAP	used	22.12030792	5	0	5	0	0	0	0	0	0	1	2	2	0	0
150	FUSE	used	21.88230705	5	4	1	0	0	2	1	1	0	1	0	0	0	0
151	BOX	used	21.20336151	5	0	5	0	0	0	0	0	0	0	5	0	0	0
152	LENGTH	used	20.88197136	5	0	5	0	0	0	0	0	0	2	0	1	2	0
153	RATE	used	20.88197136	5	3	2	0	1	0	2	0	0	0	2	0	0	0
154	RESISTANCE	used	20.82485771	6	2	4	1	0	1	0	0	0	0	0	2	2	0
155	INDICATOR	used	20.77732086	5	2	3	0	0	1	0	1	0	0	0	1	0	2
156	FORCES	used	20.17365837	5	1	4	1	0	0	0	0	0	0	0	1	1	2
157	SIMPLE	used	20.10595322	7	6	1	2	1	1	2	0	0	0	0	0	1	0
158	GLUCOSE	used	19.88635063	5	3	2	0	1	1	1	0	0	0	0	0	2	0
159	COPPER	used	19.7220726	8	5	3	3	0	1	1	0	0	0	1	1	0	1
160	CUT	used	19.69979858	5	1	4	0	1	0	0	0	0	0	4	0	0	0
161	OXYGEN	used	19.60059929	10	7	3	1	1	2	3	0	0	0	0	1	1	1
162	LINE	used	19.33798409	5	3	2	0	0	3	0	0	0	0	0	0	0	2
163	HEATING	used	19.16243935	5	2	3	1	0	1	0	0	0	0	1	1	1	0

164	DESCRIBE	used	18.65572357	5	1	4	0	1	0	0	0	0	0	4	0	0	0
165	SAME	used	18.53565216	7	4	3	0	0	4	0	0	0	0	0	2	1	0
166	USING	used	18.2091198	8	8	0	4	4	0	0	0	0	0	0	0	0	0
167	DILUTE	used	18.09913254	5	0	5	0	0	0	0	0	0	0	1	0	2	2
168	SWITCH	used	18.09913254	5	0	5	0	0	0	0	0	0	0	2	1	1	1
169	TYPE	used	17.94638062	5	4	1	1	1	1	0	1	0	0	0	0	1	0
170	LIMEWATER	used	17.50354385	5	5	0	1	0	0	4	0	0	0	0	0	0	0
171	GROWTH	used	17.36080742	5	1	4	0	0	0	1	0	0	0	3	0	0	1
172	BATTERY	used	16.94620705	5	0	5	0	0	0	0	0	0	3	0	2	0	0
173	LIQUIDS	used	16.74616051	5	1	4	0	1	0	0	0	0	0	0	0	3	1
174	FIND	used	16.4964447	7	1	6	1	0	0	0	0	0	0	5	0	1	0
175	BODY	used	16.42521286	7	2	5	1	0	1	0	0	0	0	0	4	0	1
176	RECORD	used	15.52058792	5	2	3	1	0	1	0	0	0	0	1	0	2	0

5. The most significant collocates of *area* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SCHOOL	area	36.1985054	5	3	2	1	2	0	0	0	0	0	2	0	0	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MAP	area	747.449585	123	55	68	1	19	34	0	1	0	10	2	18	24	14
2	SHOWN	area	684.343811	87	4	83	2	2	0	0	0	0	72	3	2	5	1
3	CALCULATE	area	277.0501099	33	30	3	1	3	2	23	1	0	1	1	0	0	1
4	SKETCH	area	269.681488	36	34	2	3	28	3	0	0	0	0	1	1	0	0
5	PHOTOGRAPH	area	225.2207947	43	8	35	4	3	1	0	0	0	0	0	2	26	7
6	URBAN	area	212.9505768	37	29	8	3	0	2	0	24	0	0	3	2	1	2
7	PRESSURE	area	202.0769653	31	14	17	2	0	0	0	12	0	0	0	14	3	0
8	DUBLIN	area	185.9663544	38	21	17	0	2	1	5	13	0	0	15	1	0	1
9	SURROUNDING	area	114.9926987	15	14	1	0	0	0	0	14	0	0	0	0	1	0
10	WOODLAND	area	106.6174927	13	3	10	1	0	1	1	0	0	0	2	8	0	0
11	HARBOUR	area	105.0861664	14	12	2	0	0	0	0	12	0	0	0	0	2	0
12	DUNGARVAN	area	105.0051956	13	12	1	0	0	0	0	12	0	0	0	0	1	0
13	LOW	area	103.7720337	22	7	15	0	0	0	6	1	0	0	11	1	2	1
14	LARGE	area	102.995079	25	24	1	3	4	0	3	14	0	0	0	0	1	0
15	PEOPLE	area	96.76312256	32	26	6	7	12	7	0	0	0	0	1	2	0	3
16	HIGH	area	93.74617004	23	8	15	0	0	1	6	1	0	0	11	1	2	1
17	SQUARE	area	83.11701202	14	4	10	2	1	1	0	0	0	1	5	0	4	0
18	BUILT	area	82.8608017	18	16	2	0	1	1	14	0	0	0	1	1	0	0
19	PAGE	area	80.87549591	18	5	13	0	5	0	0	0	0	0	1	11	1	0
20	SHOPPING	area	75.39452362	13	6	7	1	1	0	0	4	0	0	1	0	4	2
21	KILOMETRES	area	71.96899414	12	4	8	1	1	1	1	0	0	0	2	5	0	1

22	SURVEY	area	71.34454346	14	8	6	5	3	0	0	0	0	0	0	0	1	5
23	OS [ORDNANCE SU	area	70.1811676	13	1	12	0	1	0	0	0	0	0	0	2	10	0
24	COVERED	area	66.35658264	10	0	10	0	0	0	0	0	0	7	1	2	0	0
25	PHOTOGRAPHED	area	65.89729309	6	0	6	0	0	0	0	0	0	0	4	2	0	0
26	TOURIST	area	65.66609955	14	11	3	1	6	0	1	3	0	0	0	0	0	3
27	CORE	area	64.98729706	9	8	1	0	2	0	0	6	0	0	0	0	0	1
28	POORER	area	64.2363739	10	6	4	2	0	0	2	2	0	2	2	0	0	0
29	LAND	area	61.70689392	19	7	12	0	0	3	1	3	0	0	7	2	0	3
30	DOCKLANDS	area	61.69690704	7	7	0	0	1	0	0	6	0	0	0	0	0	0
31	EXTRACT	area	60.58454514	11	0	11	0	0	0	0	0	0	0	0	1	8	2
32	ORDNANCE	area	59.94156265	12	3	9	3	0	0	0	0	0	0	0	1	5	3
33	DRAINED	area	57.0446434	8	3	5	0	0	1	1	1	0	3	1	0	1	0
34	ATTRACT	area	57.01695633	9	8	1	5	3	0	0	0	0	0	1	0	0	0
35	SETTLEMENT	area	56.72846222	16	11	5	0	3	8	0	0	0	0	0	2	2	1
36	FIND	area	55.29338074	10	9	1	0	0	1	8	0	0	0	1	0	0	0
37	GREEN	area	51.80522537	9	7	2	0	0	0	1	6	0	0	0	1	0	1
38	APPROXIMATE	area	51.48936844	6	6	0	0	0	0	1	5	0	0	0	0	0	0
39	RESIDENTIAL	area	50.66005707	9	7	2	1	0	0	0	6	0	0	0	2	0	0
40	BUSINESS	area	49.37958145	9	3	6	1	2	0	0	0	0	0	4	0	2	0
41	UPLAND	area	46.65109634	7	5	2	0	0	0	1	4	0	0	1	0	0	1
42	LOCATING	area	45.93349838	6	4	2	0	0	4	0	0	0	0	1	1	0	0
43	OPEN	area	45.85683823	8	3	5	0	1	0	1	1	0	0	0	4	0	1
44	REDEVELOPED	area	45.85149002	5	4	1	0	0	2	1	1	0	0	0	1	0	0
45	GREATER	area	45.62460709	8	6	2	0	0	0	6	0	0	0	1	0	0	1
46	RURAL	area	45.38547134	10	7	3	0	0	0	0	7	0	1	1	0	1	0
47	LOCATED	area	45.20504379	11	8	3	1	4	3	0	0	0	1	1	0	1	0
48	COVERS	area	44.56133652	5	5	0	1	2	2	0	0	0	0	0	0	0	0
49	MARSHY	area	43.42400742	5	5	0	0	0	2	0	3	0	0	0	0	0	0
50	SURFACE	area	42.63542557	11	2	9	0	1	0	0	1	0	0	1	2	5	1
51	KM	area	41.72842789	9	3	6	1	1	0	1	0	0	0	0	1	3	2

52	LIVING	area	41.59812164	9	6	3	2	1	3	0	0	0	0	0	2	0	1
53	PLANNED	area	41.24775696	8	5	3	0	0	0	4	1	0	1	0	0	2	0
54	CALLED	area	41.0790596	13	1	12	1	0	0	0	0	0	5	5	0	1	1
55	PERIPHERAL	area	39.15306091	5	3	2	0	0	0	0	3	0	0	2	0	0	0
56	LIVE	area	39.05648041	10	8	2	2	1	5	0	0	0	0	0	1	1	0
57	INDUSTRIAL	area	38.67845917	11	7	4	2	1	0	1	3	0	0	2	2	0	0
58	CONNACHT	area	37.85969162	5	3	2	0	1	1	0	1	0	0	0	0	2	0
59	POPULATION	area	37.84235382	17	10	7	1	2	4	2	1	0	1	1	2	2	1
60	ACROSS	area	37.78741074	7	6	1	1	0	5	0	0	0	1	0	0	0	0
61	HINTERLAND	area	37.2720871	5	3	2	0	0	1	1	1	0	2	0	0	0	0
62	TOURISTS	area	37.18517303	8	5	3	0	2	3	0	0	0	0	1	2	0	0
63	IRELAND	area	37.13345337	15	6	9	3	0	0	3	0	0	0	5	0	1	3
64	RICH	area	36.59661102	9	8	1	2	2	0	2	2	0	0	0	0	0	1
65	SMALL	area	36.53130341	10	9	1	0	0	1	0	8	0	0	0	0	0	1
66	MAKE	area	36.50111389	9	6	3	2	0	0	4	0	0	1	0	1	1	0
67	FIGURE	area	36.07125473	13	0	13	0	0	0	0	0	0	2	3	5	1	2
68	BURREN	area	34.80847168	7	5	2	0	0	0	0	5	0	0	0	1	1	0
69	ACTIVITY	area	34.10573578	8	3	5	1	2	0	0	0	0	0	0	1	0	4
70	LONG	area	32.9295578	9	4	5	1	0	0	2	1	0	0	0	5	0	0
71	LAKE	area	32.77862167	7	3	4	0	1	2	0	0	0	0	1	1	2	0
72	SEA	area	32.560112	12	6	6	0	1	1	1	3	0	0	5	0	1	0
73	TYPE	area	32.3945694	8	2	6	1	1	0	0	0	0	0	0	1	2	3
74	RECREATION	area	32.0892334	5	3	2	0	0	1	0	2	0	0	2	0	0	0
75	LARGER	area	31.72785378	6	5	1	0	0	0	0	5	0	0	0	0	1	0
76	CORK	area	30.79114723	7	7	0	0	0	0	4	3	0	0	0	0	0	0
77	TOWN	area	30.78361511	11	2	9	1	0	1	0	0	0	0	1	2	3	3
78	COASTAL	area	29.58369446	7	7	0	0	0	0	1	6	0	0	0	0	0	0
79	LIVED	area	29.21588135	5	5	0	0	0	5	0	0	0	0	0	0	0	0
80	NATURAL	area	29.09703255	9	7	2	0	7	0	0	0	0	0	2	0	0	0
81	REASONS	area	28.95255661	8	3	5	0	0	2	1	0	0	0	0	2	2	1
82	RAILWAY	area	28.94613647	6	4	2	1	2	1	0	0	0	0	0	0	1	1

83	NEW	area	28.87537956	11	4	7	3	1	0	0	0	0	2	2	1	1	1
84	WEST	area	28.17282295	9	4	5	1	2	0	1	0	0	0	1	4	0	0
85	FLAT	area	27.97482872	6	2	4	0	1	0	0	1	0	0	2	1	1	0
86	ATTRACTIONS	area	27.97482872	6	5	1	0	1	4	0	0	0	0	0	1	0	0
87	AFFECT	area	27.00779343	5	1	4	0	1	0	0	0	0	1	0	3	0	0
88	PHOTOGRAPHS	area	26.94354439	8	4	4	2	0	2	0	0	0	0	0	1	1	2
89	SAME	area	26.48495674	6	5	1	0	0	0	0	5	0	0	0	1	0	0
90	LOWLAND	area	25.89345741	5	4	1	0	0	0	1	3	0	0	1	0	0	0
91	WASTE	area	25.71986771	5	3	2	1	1	1	0	0	0	0	0	0	1	1
92	FACILITIES	area	25.65658188	7	5	2	1	1	3	0	0	0	0	0	1	0	1
93	AERIAL	area	25.59299278	6	0	6	0	0	0	0	0	0	0	0	0	6	0
94	AVAILABLE	area	24.66953278	6	5	1	1	2	2	0	0	0	0	0	1	0	0
95	LOCAL	area	24.48922348	7	6	1	1	1	0	1	3	0	0	0	0	1	0
96	EXAMPLE	area	24.41984367	7	4	3	1	1	2	0	0	0	0	1	0	1	1
97	MAIN	area	24.21405029	7	6	1	1	1	0	2	2	0	0	0	1	0	0
98	PLANTATION	area	23.99619293	5	2	3	0	2	0	0	0	0	0	0	1	0	2
99	LOOK	area	23.85417175	5	3	2	0	3	0	0	0	0	2	0	0	0	0
100	BAY	area	23.85417175	5	2	3	0	0	0	0	2	0	1	0	1	0	1
101	GIVEN	area	23.6382637	6	5	1	2	0	0	0	3	0	1	0	0	0	0
102	TOTAL	area	23.04481316	5	5	0	0	0	0	0	5	0	0	0	0	0	0
103	CHURCH	area	22.91653633	5	2	3	1	0	1	0	0	0	0	0	2	0	1
104	HOUSING	area	21.75790596	6	4	2	2	2	0	0	0	0	0	0	0	0	2
105	ROCK	area	21.37586403	8	3	5	1	1	1	0	0	0	0	0	2	2	1
106	CENTRAL	area	20.4709568	5	4	1	1	1	0	1	1	0	0	0	1	0	0
107	GREAT	area	20.35780907	6	3	3	1	2	0	0	0	0	0	1	1	0	1
108	REGION	area	20.3061161	7	2	5	1	1	0	0	0	0	0	0	3	0	2
109	WATER	area	20.073349	12	6	6	2	1	2	0	1	0	0	1	1	1	3
110	EARTH'S	area	20.03543282	6	0	6	0	0	0	0	0	0	1	1	4	0	0
111	SITE	area	19.66147614	6	4	2	1	1	2	0	0	0	0	1	1	0	0
112	STATION	area	19.54545021	5	3	2	1	1	0	1	0	0	0	0	1	0	1

113	ACTIVITIES	area	19.5261879	8	5	3	1	2	2	0	0	0	0	0	2	0	1
114	NAME	area	18.62856293	7	4	3	1	1	1	1	0	0	0	1	0	0	2
115	SCALE	area	18.61553001	6	5	1	3	0	1	0	1	0	1	0	0	0	0
116	LITTLE	area	18.47007179	5	3	2	3	0	0	0	0	0	0	1	1	0	0
117	BECOME	area	18.16389656	5	1	4	0	0	0	1	0	0	0	2	1	0	1
118	MOUNTAIN	area	18.16389656	5	5	0	2	0	1	1	1	0	0	0	0	0	0
119	SHOWS	area	18.01472473	5	3	2	0	1	2	0	0	0	1	0	0	1	0
120	MAPS	area	17.89517784	7	3	4	1	2	0	0	0	0	1	1	0	1	1
121	WAY	area	17.72380638	5	3	2	1	2	0	0	0	0	0	0	1	1	0
122	DIFFERENT	area	17.66819572	6	3	3	2	0	0	0	1	0	0	1	2	0	0
123	INNER	area	17.65256691	5	4	1	1	1	0	2	0	0	0	1	0	0	0
124	NORTH	area	17.53980827	8	1	7	0	0	1	0	0	0	1	2	3	1	0
125	SHOW	area	17.03645515	5	5	0	0	2	3	0	0	0	0	0	0	0	0
126	RESOURCES	area	16.97063255	5	3	2	1	0	2	0	0	0	0	1	0	0	1
127	RIVER	area	16.41661835	9	3	6	1	1	0	1	0	0	0	0	1	4	1
128	CITY	area	16.22675323	9	6	3	0	1	1	1	3	0	0	0	3	0	0
129	STREET	area	16.15800667	5	1	4	0	0	1	0	0	0	0	0	2	2	0
130	GIVE	area	15.88374901	6	1	5	0	0	1	0	0	0	1	1	0	2	1
131	COUNTRY	area	15.51503277	6	3	3	0	0	3	0	0	0	0	1	1	1	0

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PALE	area	64.19948	6	6	0	2	2	2	0	0	0	0	0	0	0	0
2	CALLED	area	50.88176	8	0	8	0	0	0	0	0	0	6	0	1	1	0
3	SMALL	area	45.30274	6	6	0	1	0	0	0	5	0	0	0	0	0	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PEOPLE	area	120.1769638	29	26	3	3	5	18	0	0	0	1	0	1	0	1
2	LOCAL	area	80.24106598	17	13	4	0	4	0	0	9	0	1	1	1	0	1

3	DEVELOPMENT	area	48.87520218	9	9	0	2	2	5	0	0	0	0	0	0	0	0
4	POPULATION	area	43.71124268	6	6	0	0	0	6	0	0	0	0	0	0	0	0
5	CITIES	area	42.99261856	5	5	0	0	5	0	0	0	0	0	0	0	0	0
6	FAMOUS	area	41.6881485	5	0	5	0	0	0	0	0	0	5	0	0	0	0
7	NEIGHBOURHOOD	area	41.28907013	5	5	0	3	2	0	0	0	0	0	0	0	0	0
8	YOUTH	area	40.77842712	6	3	3	0	2	1	0	0	0	0	1	1	0	1
9	LANGUAGE	area	40.53637314	5	5	0	0	0	0	5	0	0	0	0	0	0	0
10	OWN	area	40.22940826	7	6	1	0	0	0	0	6	0	0	0	1	0	0
11	CURRENCY	area	40.18055344	5	5	0	0	0	0	0	5	0	0	0	0	0	0
12	JOINED	area	39.1843338	5	0	5	0	0	0	0	0	0	0	0	5	0	0
13	PARTICULAR	area	34.30815125	5	5	0	0	0	1	1	3	0	0	0	0	0	0
14	FACILITIES	area	34.11800766	5	5	0	0	0	5	0	0	0	0	0	0	0	0
15	YOUNG	area	32.65137482	7	6	1	0	5	0	0	1	0	0	1	0	0	0
16	EU	area	31.49225044	7	2	5	0	1	1	0	0	0	0	0	0	5	0
17	LITTER	area	30.93482399	5	3	2	0	1	2	0	0	0	1	0	1	0	0
18	COMMUNITY	area	30.38987541	9	8	1	2	3	1	2	0	0	0	1	0	0	0
19	OLD	area	28.33486748	5	2	3	1	0	0	1	0	0	0	0	1	0	2
20	PROBLEMS	area	28.0292244	5	4	1	0	0	4	0	0	0	0	0	1	0	0
21	FIND	area	25.46369934	6	2	4	1	1	0	0	0	0	0	4	0	0	0
22	LIVE	area	25.4156723	5	4	1	1	2	1	0	0	0	0	1	0	0	0
23	DUBLIN	area	21.39672661	5	3	2	0	0	0	2	1	0	0	1	0	1	0
24	SAID	area	20.02489281	5	1	4	1	0	0	0	0	0	3	1	0	0	0
25	CHILDREN	area	16.5588913	5	1	4	1	0	0	0	0	0	1	0	2	0	1

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	RECTANGLE	area	777.135376	84	12	72	1	1	3	6	1	0	0	10	52	5	5
2	TRIANGLE	area	616.9301758	84	11	73	4	2	2	1	2	0	0	28	41	1	3
3	CALCULATE	area	591.8338013	108	102	6	9	13	19	58	3	0	0	1	2	1	2
4	FIND	area	403.3694763	89	74	15	3	2	9	58	2	0	0	2	2	7	4
5	VOLUME	area	384.486145	58	37	21	11	6	18	2	0	0	2	13	0	3	3

6	CM	area	354.9841614	77	36	41	9	5	14	3	5	0	0	8	4	12	17
7	BASE	area	339.4847107	43	8	35	2	4	0	2	0	0	6	10	8	4	7
8	CIRCLE	area	308.8868103	46	12	34	0	5	4	1	2	0	0	8	24	1	1
9	TOTAL	area	304.7107239	45	36	9	0	0	0	29	7	0	3	4	1	1	0
10	PERIMETER	area	276.6300659	32	18	14	1	6	1	5	5	0	2	4	3	5	0
11	PARALLELOGRAM	area	246.7093811	32	6	26	1	1	3	1	0	0	0	6	19	0	1
12	LENGTH	area	235.8563995	43	19	24	14	1	1	3	0	0	7	2	8	4	3
13	HEIGHT	area	214.1289978	38	20	18	7	6	1	2	4	0	0	2	2	9	5
14	WIDTH	area	205.6579895	29	14	15	0	7	4	1	2	0	0	1	7	2	5
15	MAXIMUM	area	187.5517883	26	24	2	0	0	1	0	23	0	0	1	0	0	1
16	SQUARE	area	177.1078339	27	5	22	2	1	1	1	0	0	0	5	13	3	1
17	SHADED	area	169.9214935	18	6	12	0	0	0	0	6	0	0	0	12	0	0
18	GIVEN	area	157.8392944	34	26	8	7	6	7	3	3	0	0	2	4	0	2
19	CIRCUMFERENCE	area	153.0698395	20	15	5	1	1	1	9	3	0	0	2	2	1	0
20	SECTOR	area	140.5614014	15	3	12	1	1	1	0	0	0	0	3	9	0	0
21	FIGURE	area	134.6639404	19	5	14	1	1	0	1	2	0	0	4	9	1	0
22	SPHERE	area	133.3471527	19	4	15	2	0	2	0	0	0	0	4	9	1	1
23	RADIUS	area	128.7919617	25	15	10	7	4	4	0	0	0	3	0	0	1	6
24	SEMICIRCLE	area	117.9409027	13	5	8	1	1	0	0	3	0	0	6	1	0	1
25	PERPENDICULAR	area	103.3948364	18	6	12	2	1	1	2	0	0	0	0	4	3	5
26	ENCLOSED	area	101.8341064	9	0	9	0	0	0	0	0	0	4	0	0	4	1
27	REGION	area	94.13657379	10	1	9	0	0	0	1	0	0	0	1	0	8	0
28	ASSUME	area	77.16294098	11	0	11	0	0	0	0	0	0	5	0	1	0	5
29	CUBE	area	74.87158966	9	2	7	1	0	1	0	0	0	0	0	7	0	0
30	TERMS	area	74.13526154	18	2	16	0	1	1	0	0	0	0	10	0	1	5
31	FORMULAS	area	73.25827789	9	5	4	1	1	3	0	0	0	2	1	1	0	0
32	ENCLOSURE	area	72.03752899	7	6	1	0	1	5	0	0	0	0	0	1	0	0
33	SEMICIRCLES	area	60.15937424	5	2	3	0	0	0	0	2	0	0	1	1	0	1
34	RATIO	area	56.46595001	12	11	1	4	1	0	0	6	0	0	0	0	0	1
35	BREADTH	area	56.40744019	8	6	2	2	2	0	0	2	0	0	0	1	1	0
36	CYLINDER	area	50.68769073	11	1	10	0	0	1	0	0	0	0	1	9	0	0

37	EQUAL	area	49.74434662	13	8	5	1	1	1	2	3	0	0	0	0	1	4
38	PROVE	area	45.42269135	11	11	0	0	1	7	1	2	0	0	0	0	0	0
39	REMAINING	area	45.29405594	6	1	5	0	0	1	0	0	0	0	0	5	0	0
40	TRACK	area	43.8928299	5	2	3	0	1	0	0	1	0	0	1	2	0	0
41	FLOOR	area	43.8928299	5	2	3	1	1	0	0	0	0	0	0	3	0	0
42	SECTION	area	43.81848526	8	4	4	1	0	0	3	0	0	0	1	0	2	1
43	TIMES	area	43.48984146	9	6	3	0	1	1	2	2	0	0	0	0	3	0
44	ASKED	area	42.15512848	8	2	6	0	2	0	0	0	0	0	6	0	0	0
45	DIAGONAL	area	38.32686234	5	5	0	0	0	5	0	0	0	0	0	0	0	0
46	SOLID	area	38.04321289	7	2	5	0	2	0	0	0	0	0	0	5	0	0
47	SHOWN	area	37.40377045	9	4	5	0	3	0	0	1	0	0	1	0	3	1
48	SIN [SINE]	area	36.84667206	12	3	9	0	2	1	0	0	0	0	4	0	2	3
49	IMPORTANT	area	33.69399261	8	3	5	2	0	1	0	0	0	1	0	1	1	2
50	EXAMPLE	area	33.60305405	13	7	6	1	0	5	1	0	0	0	0	3	2	1
51	EXPRESSION	area	33.04684448	6	6	0	5	0	1	0	0	0	0	0	0	0	0
52	POSSIBLE	area	32.84985352	6	5	1	2	3	0	0	0	0	0	0	0	1	0
53	BISECTS	area	30.72743034	5	5	0	0	0	0	5	0	0	0	0	0	0	0
54	CORRESPONDING	area	29.59887123	7	7	0	0	3	4	0	0	0	0	0	0	0	0
55	QUESTIONS	area	28.45189667	7	1	6	0	0	1	0	0	0	0	0	5	0	1
56	FORMULA	area	27.62490654	6	2	4	0	1	0	1	0	0	3	0	1	0	0
57	TYPE	area	26.27619171	7	2	5	0	1	1	0	0	0	0	0	2	2	1
58	SURFACE	area		169	154	15	4	3	0	0	147	0	0	3	4	4	4
59	CHAPTER	area	25.01226234	6	4	2	0	0	0	4	0	0	0	0	0	2	0
60	DISGUISE	area	24.4513607	5	5	0	0	0	0	2	3	0	0	0	0	0	0
61	CALLED	area	23.47959709	6	4	2	0	4	0	0	0	0	0	2	0	0	0
62	CURVED	area		67	61	6	3	0	0	58	0	0	0	0	2	3	1
63	LET	area	23.17281723	7	5	2	1	2	0	2	0	0	0	0	0	2	0
64	FOLLOWING	area	23.12802505	10	0	10	0	0	0	0	0	0	0	0	0	0	10
65	GROUP	area	22.75271225	5	5	0	0	2	1	1	1	0	0	0	0	0	0
66	FREQUENCY	area	21.30454254	7	2	5	0	1	0	0	1	0	5	0	0	0	0
67	EXPRESS	area	19.3465519	7	5	2	0	0	0	5	0	0	0	0	0	0	2

68	OPPOSITE	area	19.13417053	6	3	3	1	1	0	1	0	0	0	1	0	2	0
69	SIDES	area	17.67017937	8	3	5	0	0	2	1	0	0	0	0	1	1	3
70	CORRECT	area	16.77464676	6	0	6	0	0	0	0	0	0	0	0	0	4	2
71	NOTE	area	15.97780228	6	3	3	1	1	0	1	0	0	0	1	0	1	1
72	PERCENTAGE	area	15.7934227	5	5	0	0	1	4	0	0	0	0	0	0	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PRESSURE	area	302.7367249	33	19	14	2	0	8	3	6	0	2	2	3	5	2
2	FORCE	area	191.4685059	22	18	4	0	2	5	8	3	0	0	0	2	0	2
3	SURFACE	area	127.7061996	15	10	5	0	1	0	3	6	0	0	3	0	1	1
4	SQUARE	area	76.09220123	7	2	5	0	0	2	0	0	0	2	0	0	2	1
5	UNIT	area	69.33081055	8	7	1	0	0	0	0	7	0	0	0	0	0	1
6	PER	area	50.66076279	7	6	1	0	0	0	6	0	0	0	0	0	1	0
7	MEASURING	area	50.5042305	6	5	1	0	0	0	4	1	0	0	0	0	0	1
8	SHAPED	area	45.93688965	5	1	4	0	1	0	0	0	0	0	0	2	2	0
9	WELL	area	41.79605484	5	2	3	0	0	0	2	0	0	1	0	1	0	1
10	LOW	area	39.72759628	5	3	2	0	2	0	1	0	0	0	0	1	1	0
11	LARGE	area	39.38516235	6	4	2	0	0	1	2	1	0	0	0	0	2	0
12	MEASURED	area	34.55546951	5	0	5	0	0	0	0	0	0	1	3	0	0	1
13	SMALL	area	32.46878052	6	5	1	0	0	0	0	5	0	0	0	0	0	1
14	OBJECT	area	30.3142662	5	2	3	0	0	1	1	0	0	0	0	1	0	2
15	FIND	area	26.60764503	5	4	1	0	0	1	3	0	0	0	0	1	0	0

6. The most significant collocates of *number* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	POINTS	number	125.5295	12	1	11	0	1	0	0	0	0	0	0	10	0	1
2	MAKES	number	76.70001	8	8	0	0	2	0	6	0	0	0	0	0	0	0
3	QUESTION	number	36.75674	5	4	1	1	2	1	0	0	0	0	0	1	0	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	COLUMN	number	209.2648773	18	9	9	0	9	0	0	0	0	0	0	0	0	9
2	SQUARES	number	156.9521942	15	2	13	0	1	1	0	0	0	0	3	10	0	0
3	PER	number	143.339859	21	1	20	0	0	1	0	0	0	0	0	16	3	1
4	PAIR	number	136.6017456	12	0	12	0	0	0	0	0	0	0	0	12	0	0
5	COUNT	number	127.5716705	11	11	0	0	0	0	11	0	0	0	0	0	0	0
6	PEOPLE	number	121.7692261	25	1	24	1	0	0	0	0	0	0	18	3	1	2
7	AVERAGE	number	117.8848114	14	12	2	0	0	0	0	12	0	0	0	0	0	2
8	CHILDREN	number	83.217453	12	1	11	0	1	0	0	0	0	0	8	2	0	1
9	GRID	number	79.2561264	13	2	11	0	0	0	0	2	0	0	9	0	0	2
10	SMALLER	number	76.75326538	9	4	5	1	2	0	0	1	0	0	5	0	0	0
11	SHOPPING	number	76.39953613	10	3	7	0	2	1	0	0	0	0	3	4	0	0
12	RATE	number	70.51174927	10	8	2	1	4	3	0	0	0	0	0	0	1	1
13	FACTORS	number	68.55156708	10	0	10	0	0	0	0	0	0	0	10	0	0	0
14	MOTHER	number	62.4120369	6	0	6	0	0	0	0	0	0	0	0	0	5	1
15	WAYS	number	62.11455917	9	0	9	0	0	0	0	0	0	0	9	0	0	0
16	SQUARE	number	57.22289276	8	1	7	0	0	1	0	0	0	0	1	0	5	1
17	BIRTHS	number	52.64264679	5	1	4	1	0	0	0	0	0	0	3	1	0	0
18	MOTORWAY	number	51.8648262	5	5	0	0	0	0	5	0	0	0	0	0	0	0
19	JUNCTION	number	49.25226593	5	5	0	0	0	0	0	5	0	0	0	0	0	0
20	DENSITY	number	48.70159149	8	8	0	4	3	0	1	0	0	0	0	0	0	0

21	REFERS	number	47.80796432	6	6	0	0	2	4	0	0	0	0	0	0	0	0
22	GROUP	number	45.97014999	6	3	3	0	3	0	0	0	0	0	0	0	0	3
23	KILOMETRE	number	40.38880157	5	0	5	0	0	0	0	0	0	0	0	0	0	5
24	DWELLINGS	number	39.49445343	5	1	4	0	0	0	0	1	0	0	4	0	0	0
25	DIFFERENT	number	38.74610519	7	0	7	0	0	0	0	0	0	0	7	0	0	0
26	LETTER	number	38.47986984	5	5	0	0	0	1	4	0	0	0	0	0	0	0
27	GREATER	number	35.50802231	5	2	3	0	0	1	1	0	0	0	0	0	1	2
28	INCREASE	number	34.71040726	6	5	1	1	0	4	0	0	0	0	0	0	1	0
29	AREAS	number	34.37366867	10	4	6	0	0	3	1	0	0	0	1	0	5	0
30	POPULATION	number	34.35366821	10	8	2	4	1	2	1	0	0	0	0	1	1	0
31	ROADS	number	33.49531937	7	0	7	0	0	0	0	0	0	0	5	0	1	1
32	SETTLEMENT	number	29.63321877	7	7	0	2	2	3	0	0	0	0	0	0	0	0
33	GIVE	number	29.43381882	6	5	1	1	3	1	0	0	0	0	0	1	0	0
34	SIDE	number	29.29879761	5	0	5	0	0	0	0	0	0	0	0	3	1	1
35	YEARS	number	28.02878952	6	0	6	0	0	0	0	0	0	0	5	0	0	1
36	NUMBER	number		290	17	17	1	9	7	0	0	256	0	0	7	9	1
37	HOUSES	number	25.60696411	5	0	5	0	0	0	0	0	0	0	5	0	0	0
38	LIVE	number	24.2781601	5	0	5	0	0	0	0	0	0	0	1	1	2	1
39	IRISH	number	19.38281631	5	2	3	0	2	0	0	0	0	0	1	0	2	0
40	DIGIT	number		6	4	2	0	0	0	0	4	0	0	0	2	0	0
41	CALLED	number	17.97234917	5	1	4	0	1	0	0	0	0	0	0	0	3	1
42	LARGE	number	16.49319267	5	3	2	0	0	0	0	3	0	0	0	0	1	1

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PEOPLE	number	79.24944	16	1	15	1	0	0	0	0	0	0	13	1	0	1
2	REASONS	number	67.38952	8	0	8	0	0	0	0	0	0	0	8	0	0	0
3	TOTAL	number	59.77538	6	5	1	0	0	0	0	5	0	0	0	0	0	1
4	VOTERS	number	55.36496	5	2	3	0	2	0	0	0	0	0	1	2	0	0
5	SMALL	number	50.28216	7	5	2	0	1	0	0	4	0	0	1	1	0	0

6	INCREASED	number	47.8064	6	1	5	0	0	0	0	1	0	0	0	2	2	1
7	IRISH	number	16.95205	5	0	5	0	0	0	0	0	0	0	1	0	2	2

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PEOPLE	number	108.8295364	24	1	23	0	0	1	0	0	0	0	15	3	3	2
2	VOTES	number	86.9981842	10	0	10	0	0	0	0	0	0	0	10	0	0	0
3	CHILDREN	number	77.43278503	13	3	10	1	0	1	1	0	0	0	1	5	4	0
4	SCHOOL	number	71.17592621	13	6	7	2	0	1	3	0	0	2	1	0	2	2
5	INCREASE	number	67.99263	7	6	1	1	0	2	3	0	0	0	0	0	1	0
6	NEEDED	number	67.88755035	8	0	8	0	0	0	0	0	0	0	0	8	0	0
7	FLAGS	number	57.52326202	5	0	5	0	0	0	0	0	0	0	2	3	0	0
8	DECIDE	number	34.47942352	5	3	2	0	0	3	0	0	0	0	0	0	2	0
9	STREET	number	30.15785599	5	0	5	0	0	0	0	0	0	0	4	1	0	0
10	NAME	number	23.34446144	5	5	0	2	1	0	1	1	0	0	0	0	0	0
11	COUNTRIES	number	23.2209549	5	1	4	0	0	1	0	0	0	0	2	2	0	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	PEOPLE	number	552.5963745	79	5	74	1	1	1	1	1	0	0	72	0	0	2
2	TIMES	number	422.0934143	53	31	22	0	0	19	12	0	0	0	5	7	2	8
3	PUPILS	number	399.4360046	58	3	55	0	1	2	0	0	0	0	50	1	3	1
4	WHOLE	number	345.1960144	38	29	9	2	0	0	0	27	0	0	0	4	3	2
5	LARGER	number	343.3984985	35	25	10	0	0	0	0	25	0	0	0	2	5	3
6	PRIME	number	326.4722595	36	33	3	3	3	0	0	27	0	0	2	1	0	0
7	TOTAL	number	318.3146667	51	47	4	2	2	2	0	41	0	0	0	0	1	3
8	PER	number	291.4896851	46	5	41	1	0	2	2	0	0	0	0	30	8	3
9	SMALLER	number	280.3479919	30	22	8	2	0	0	0	20	0	0	0	0	4	4
10	LET	number	259.2829285	42	41	1	5	20	13	3	0	0	1	0	0	0	0
11	LINE	number	238.0857849	58	8	50	3	4	0	0	1	0	48	0	1	0	1

12	ADDED	number	226.9639282	31	8	23	4	3	1	0	0	0	5	10	8	0	0
13	STUDENTS	number	224.0233612	31	1	30	0	1	0	0	0	0	0	28	0	0	2
14	FACTORS	number	222.4838562	33	25	8	9	3	13	0	0	0	1	1	2	0	4
15	FIND	number	217.9138489	68	61	7	4	5	14	38	0	0	1	0	2	2	2
16	UNKNOWN	number	174.2440338	19	17	2	0	0	0	0	17	0	0	0	0	0	2
17	MULTIPLIED	number	170.2987213	18	2	16	1	0	1	0	0	0	1	12	1	1	1
18	DIFFERENT	number	166.1832123	21	10	11	3	3	2	1	1	0	3	2	2	2	2
19	SOLD	number	165.8300629	23	3	20	1	2	0	0	0	0	2	0	7	6	5
20	GOALS	number	157.3275909	14	2	12	0	1	1	0	0	0	0	12	0	0	0
21	MEAN	number	153.0276947	31	23	8	0	0	0	0	23	0	0	0	2	2	4
22	CERTAIN	number	150.4004364	20	19	1	2	1	0	0	16	0	0	0	0	0	1
23	NATURAL	number	149.3343658	16	11	5	0	0	0	0	11	0	0	0	5	0	0
24	TERM	number	143.9717102	26	19	7	7	1	6	5	0	0	0	0	0	6	1
25	WRITE	number	139.0540161	32	19	13	0	4	5	10	0	0	1	2	2	1	7
26	MARBLES	number	138.9152527	15	3	12	1	1	1	0	0	0	0	10	2	0	0
27	REQUIRED	number	136.463974	20	6	14	2	0	1	0	3	0	1	0	9	3	1
28	SCORED	number	135.4630432	14	1	13	0	0	1	0	0	0	0	0	11	2	0
29	FRONT	number	130.658432	13	0	13	0	0	0	0	0	0	0	13	0	0	0
30	SMALLEST	number	126.4034042	17	14	3	0	1	0	2	11	0	0	0	3	0	0
31	GREATEST	number	122.4237442	13	13	0	1	1	0	2	9	0	0	0	0	0	0
32	ROWS	number	121.5246887	14	3	11	0	0	2	0	1	0	0	10	0	0	1
33	SIGNS	number	121.4649963	16	5	11	1	3	0	1	0	0	0	3	3	2	3
34	CAR	number	119.5489044	18	4	14	1	1	2	0	0	0	0	0	0	12	2
35	FREQUENCY	number	119.2332001	25	20	5	11	4	3	1	1	0	0	0	0	0	5
36	CALCULATE	number	116.9074173	42	39	3	0	4	17	18	0	0	1	0	0	2	0
37	CUSTOMERS	number	104.5884933	12	0	12	0	0	0	0	0	0	0	10	2	0	0
38	SAME	number	104.0861816	25	24	1	2	3	0	2	17	0	0	0	1	0	0
39	MATCHES	number	101.1021881	9	2	7	0	0	0	0	2	0	0	5	2	0	0
40	SOLUTION	number	99.90689087	28	27	1	4	6	16	1	0	0	0	0	1	0	0
41	SHOWS	number	98.00613403	18	18	0	0	0	0	18	0	0	0	0	0	0	0
42	NEAREST	number	98.00613403	18	12	6	0	0	0	12	0	0	0	1	3	1	1

43	INPUT	number	95.81047058	14	6	8	0	0	2	0	4	0	2	2	2	1	1
44	TABLE	number	95.08831787	21	21	0	2	6	8	2	3	0	0	0	0	0	0
45	ADULTS	number	94.60778809	9	4	5	1	3	0	0	0	0	0	4	1	0	0
46	SIGN	number	93.54366302	16	10	6	2	6	1	1	0	0	0	0	0	2	4
47	DAYS	number	93.51493835	15	2	13	1	1	0	0	0	0	0	8	1	2	2
48	PUTTING	number	90.57741547	11	10	1	0	0	0	9	1	0	0	0	0	0	1
49	INDEX	number	90.4479599	14	3	11	1	2	0	0	0	0	0	4	5	1	1
50	GRAPH	number	90.36872101	25	24	1	18	4	2	0	0	0	0	0	0	1	0
51	TICKETS	number	88.27029419	11	1	10	1	0	0	0	0	0	0	3	4	3	0
52	CORRECT	number	87.12301636	20	12	8	8	2	1	0	1	0	3	3	0	1	1
53	ELEMENTS	number	85.61954498	15	1	14	1	0	0	0	0	0	0	13	0	1	0
54	CURVE	number	84.3338089	15	15	0	3	9	2	1	0	0	0	0	0	0	0
55	MEN	number	81.10900879	12	2	10	0	0	2	0	0	0	0	8	0	2	0
56	LARGEST	number	80.94591522	10	9	1	0	0	3	0	6	0	0	0	0	1	0
57	CARS	number	79.84424591	10	0	10	0	0	0	0	0	0	0	9	1	0	0
58	PARTS	number	76.98727417	13	4	9	0	0	0	2	2	0	2	3	4	0	0
59	TERMS	number	76.79597473	21	14	7	1	11	1	1	0	0	0	4	1	2	0
60	RECORDED	number	75.97616577	10	4	6	1	0	2	1	0	0	0	0	0	0	6
61	SQUARE	number	74.68395233	16	9	7	0	3	3	0	3	0	0	0	3	3	1
62	ESTIMATE	number	73.90077209	14	14	0	0	0	7	7	0	0	0	0	0	0	0
63	BICYCLES	number	72.60250092	7	2	5	1	0	1	0	0	0	0	1	4	0	0
64	TAXI	number	72.60250092	7	2	5	0	1	0	1	0	0	0	0	0	5	0
65	MINUS	number	72.57513428	8	5	3	0	2	1	1	1	0	0	2	0	0	1
66	PART	number	68.1110611	13	7	6	2	3	1	1	0	0	3	0	0	1	2
67	OCCUPANTS	number	67.38669586	6	0	6	0	0	0	0	0	0	0	5	0	0	1
68	ALAN	number	67.38669586	6	3	3	0	1	2	0	0	0	0	0	3	0	0
69	SEATS	number	66.4280777	7	1	6	1	0	0	0	0	0	0	4	0	2	0
70	BIG	number	66.4280777	7	4	3	0	0	0	0	4	0	0	2	1	0	0
71	ROW	number	63.02876282	8	4	4	1	1	0	1	1	0	0	0	0	4	0
72	VALUES	number	61.71482468	19	8	11	1	5	0	2	0	0	0	10	1	0	0
73	APPROPRIATE	number	61.65234756	6	6	0	0	0	0	0	6	0	0	0	0	0	0

74	OUTPUT	number	60.81006241	9	3	6	1	0	1	0	1	0	2	0	0	1	3
75	DIVIDE	number	60.13928986	15	10	5	4	5	0	1	0	0	0	1	4	0	0
76	HALF	number	59.4256134	8	6	2	0	0	5	1	0	0	0	0	1	1	0
77	LIKED	number	57.93755341	10	1	9	1	0	0	0	0	0	0	5	0	3	1
78	POWER	number	57.93755341	10	6	4	3	1	2	0	0	0	0	0	3	0	1
79	NEEDED	number	57.89625168	8	1	7	1	0	0	0	0	0	0	0	7	0	0
80	SURVEY	number	57.22835922	9	6	3	1	2	2	1	0	0	0	0	0	0	3
81	SOLVED	number	56.60684967	10	0	10	0	0	0	0	0	0	0	7	0	3	0
82	COINS	number	55.95127487	6	2	4	0	2	0	0	0	0	0	0	4	0	0
83	MACHINE	number	55.8524704	8	1	7	0	1	0	0	0	0	7	0	0	0	0
84	SMALL	number	53.48904037	8	7	1	1	2	0	0	4	0	0	1	0	0	0
85	REPRESENT	number	52.68502045	12	10	2	0	0	2	8	0	0	0	0	1	0	1
86	GIVE	number	52.56852341	10	8	2	0	0	0	8	0	0	0	0	0	2	0
87	BOUGHT	number	52.41453171	9	2	7	2	0	0	0	0	0	0	1	2	4	0
88	POSTERS	number	50.75203705	5	0	5	0	0	0	0	0	0	0	4	0	1	0
89	MIDDLE	number	50.74734116	9	9	0	1	1	1	0	6	0	0	0	0	0	0
90	NEGATIVE	number	50.74734116	9	6	3	1	0	0	0	5	0	0	0	1	1	1
91	BRACKET	number	50.50774002	8	1	7	0	0	1	0	0	0	0	0	4	1	2
92	POSSIBLE	number	49.81955719	9	9	0	0	0	0	3	6	0	0	0	0	0	0
93	TAKEN	number	48.60086441	10	5	5	1	2	2	0	0	0	1	0	4	0	0
94	PLACES	number	47.98025131	10	6	4	0	5	0	1	0	0	0	0	4	0	0
95	SUNSHINE	number	47.79027939	5	0	5	0	0	0	0	0	0	0	0	0	5	0
96	ILLUSTRATE	number	47.04681396	9	8	1	4	2	1	1	0	0	0	0	0	0	1
97	MUSIC	number	46.72897339	7	3	4	1	1	1	0	0	0	0	0	1	3	0
98	MODAL	number	46.19442368	7	7	0	0	0	0	0	7	0	0	0	0	0	0
99	RECEIVED	number	45.81328201	9	4	5	0	1	1	1	1	0	0	1	0	3	1
100	OCCURS	number	45.68018341	7	0	7	0	0	0	0	0	0	0	6	0	0	1
101	POWERS	number	45.68018341	7	7	0	0	7	0	0	0	0	0	0	0	0	0
102	TEAM	number	45.5883255	5	4	1	1	3	0	0	0	0	0	0	0	0	1
103	STUDIED	number	45.18477249	7	0	7	0	0	0	0	0	0	0	1	0	5	1
104	FORM	number	44.44917679	13	8	5	4	3	1	0	0	0	0	2	1	1	1

105	PLUS	number	43.81531143	5	3	2	2	1	0	0	0	0	1	0	0	0	1
106	HOURS	number	43.61706924	11	0	11	0	0	0	0	0	0	0	11	0	0	0
107	NOTATION	number	43.40045547	8	3	5	0	0	3	0	0	0	0	0	3	2	0
108	GIVEN	number	43.36376572	17	10	7	0	1	1	1	7	0	0	1	4	2	0
109	NUMBERS	number	42.94769669	15	6	9	2	2	2	0	0	0	0	1	4	2	2
110	DIVIDING	number	42.36853409	6	5	1	3	0	1	1	0	0	0	0	1	0	0
111	VENN	number	42.25246429	10	10	0	1	9	0	0	0	0	0	0	0	0	0
112	EQUATION	number	42.18359375	18	11	7	3	5	1	1	1	0	0	4	1	0	2
113	VERTICAL	number	41.03735733	8	0	8	0	0	0	0	0	0	0	0	0	0	8
114	VOTES	number	41.03698349	5	0	5	0	0	0	0	0	0	0	5	0	0	0
115	ENTERED	number	41.03698349	5	0	5	0	0	0	0	0	0	0	0	0	3	2
116	WRITING	number	41.03698349	5	3	2	0	0	1	2	0	0	0	0	0	2	0
117	COMPLETED	number	39.97097015	6	2	4	0	0	1	0	1	0	0	1	1	2	0
118	BOYS	number	39.90182877	5	2	3	0	0	2	0	0	0	0	3	0	0	0
119	CHILDREN	number	39.4416275	6	0	6	0	0	0	0	0	0	0	5	0	0	1
120	CHANGES	number	38.45032883	6	3	3	1	0	0	2	0	0	0	1	2	0	0
121	KEEP	number	38.45032883	6	0	6	0	0	0	0	0	0	0	2	4	0	0
122	SUBTRACT	number	38.37191772	8	5	3	0	0	5	0	0	0	2	0	1	0	0
123	POSITIVE	number	37.58485031	7	7	0	0	1	1	2	3	0	0	0	0	0	0
124	RESULT	number	37.31165695	7	1	6	0	1	0	0	0	0	0	4	1	1	0
125	SUBTRACTED	number	36.35683823	5	1	4	0	1	0	0	0	0	2	0	2	0	0
126	GIVES	number	36.28999329	6	6	0	1	0	0	5	0	0	0	0	0	0	0
127	DIAGRAM	number	36.1517868	14	14	0	3	2	9	0	0	0	0	0	0	0	0
128	EXACTLY	number	36.02434921	7	3	4	0	1	2	0	0	0	0	0	1	3	0
129	SIGNIFICANT	number	35.64176941	5	2	3	0	1	0	1	0	0	0	2	0	1	0
130	GIRLS	number	35.16461182	6	2	4	1	0	1	0	0	0	0	4	0	0	0
131	OGIVE	number	34.97584534	5	5	0	0	0	5	0	0	0	0	0	0	0	0
132	ADDING	number	34.97584534	5	2	3	0	2	0	0	0	0	0	0	0	0	3
133	FOLLOWING	number	34.94669724	15	14	1	3	6	3	2	0	0	0	0	0	0	1
134	MEMBERS	number	34.81269073	6	0	6	0	0	0	0	0	0	0	6	0	0	0
135	ROOT	number	34.81269073	6	3	3	0	0	3	0	0	0	0	0	0	2	1

136	CAME	number	34.35275269	5	1	4	1	0	0	0	0	0	0	2	0	2	0
137	DECIMAL	number	34.27038193	9	4	5	1	1	1	0	1	0	0	3	0	0	2
138	MULTIPLYING	number	33.81740189	6	5	1	2	0	0	3	0	0	0	0	0	1	0
139	CUMULATIVE	number	33.57005692	7	6	1	4	2	0	0	0	0	0	0	0	0	1
140	FACTOR	number	33.26303864	8	2	6	0	1	1	0	0	0	0	0	2	3	1
141	GO	number	32.32981873	6	0	6	0	0	0	0	0	0	0	0	0	1	5
142	TIME	number	31.84011459	11	9	2	0	3	3	3	0	0	0	0	0	0	2
143	KIDS	number	31.72634506	5	0	5	0	0	0	0	0	0	0	5	0	0	0
144	GREATER	number	31.72634506	5	2	3	0	1	0	1	0	0	1	0	1	0	1
145	RED	number	31.72634506	5	4	1	0	2	2	0	0	0	0	1	0	0	0
146	FOOTBALL	number	30.84773636	5	2	3	0	0	0	2	0	0	0	2	0	1	0
147	REPRESENTS	number	30.5282402	6	6	0	1	0	2	3	0	0	0	0	0	0	0
148	KEY	number	30.04266167	5	5	0	0	3	2	0	0	0	0	0	0	0	0
149	LETTER	number	29.83615112	6	3	3	0	0	0	1	2	0	0	0	1	1	1
150	WORK	number	29.83615112	6	4	2	1	0	2	1	0	0	0	0	0	0	2
151	FIGURE	number	29.42755318	7	4	3	1	1	2	0	0	0	0	0	1	0	2
152	EQUATIONS	number	28.82824898	9	3	6	1	0	2	0	0	0	0	6	0	0	0
153	NOTE	number	28.75718689	10	4	6	1	0	2	1	0	0	1	0	1	1	3
154	ANSWER	number	28.57998848	9	6	3	0	2	4	0	0	0	0	2	0	1	0
155	FRACTION	number	28.4292717	8	3	5	0	1	2	0	0	0	0	0	2	3	0
156	MEDIAN	number	27.07458687	6	5	1	2	2	0	0	1	0	0	0	0	1	0
157	EXPRESS	number	26.94412994	10	7	3	0	0	1	6	0	0	1	0	2	0	0
158	CLASS	number	26.73066711	6	0	6	0	0	0	0	0	0	0	0	0	1	5
159	PERCENTAGE	number	26.43124199	8	8	0	0	8	0	0	0	0	0	0	0	0	0
160	WAY	number	25.75902939	5	2	3	0	2	0	0	0	0	0	2	0	1	0
161	PUT	number	25.6360302	7	6	1	0	1	3	2	0	0	0	0	0	0	1
162	SET	number	23.49767303	8	4	4	0	1	2	1	0	0	0	0	0	2	2
163	DISTRIBUTION	number	18.47708893	5	5	0	2	2	0	1	0	0	0	0	0	0	0
164	EXAMPLE	number	17.76042366	11	7	4	1	4	1	1	0	0	0	3	0	0	1
165	LIKE	number	17.6305542	5	1	4	0	1	0	0	0	0	0	2	0	2	0
166	EQUAL	number	17.57253456	8	4	4	0	0	2	1	1	0	0	4	0	0	0

167	MINUTES	number	17.54421806	6	1	5	0	0	0	0	1	0	0	4	0	1	0
168	METHOD	number	16.23669243	5	5	0	2	2	0	0	1	0	0	0	0	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ATOMIC	number	720.4160156	56	50	6	4	5	6	0	35	0	3	0	2	1	0
2	PROTONS	number	502.9078674	44	9	35	1	1	2	4	1	0	0	25	1	5	4
3	ELECTRONS	number	255.0266571	33	6	27	1	2	2	1	0	0	0	18	2	4	3
4	MASS	number	251.3204346	33	20	13	2	1	5	0	12	0	2	3	3	1	4
5	ATOM	number	170.6290741	23	11	12	2	3	6	0	0	0	0	0	5	2	5
6	NEUTRONS	number	141.2072601	14	1	13	1	0	0	0	0	0	0	9	1	3	0
7	COUNT	number	121.976265	10	10	0	0	0	0	10	0	0	0	0	0	0	0
8	SAME	number	102.3521729	16	15	1	1	0	2	1	11	0	0	0	1	0	0
9	UNITS	number	83.14502716	10	1	9	0	0	0	1	0	0	0	7	0	1	1
10	PER	number	80.66606903	12	1	11	1	0	0	0	0	0	0	1	5	4	1
11	TIMES	number	79.36782074	10	0	10	0	0	0	0	0	0	0	10	0	0	0
12	HOURS	number	68.97129822	9	3	6	1	1	1	0	0	0	0	2	2	0	2
13	SHELL	number	64.4611969	9	0	9	0	0	0	0	0	0	2	2	3	2	0
14	TOTAL	number	62.90732193	8	3	5	0	0	0	0	3	0	4	0	1	0	0
15	ATOMS	number	58.23252869	10	4	6	0	1	2	1	0	0	0	6	0	0	0
16	USED	number	55.7570076	14	7	7	2	3	0	1	1	0	0	0	3	0	4
17	KILOWATTS	number	55.29566574	5	1	4	0	0	0	1	0	0	0	4	0	0	0
18	NUCLEUS	number	54.20252609	8	1	7	1	0	0	0	0	0	0	0	0	0	7
19	ELEMENT	number	52.64746475	8	4	4	2	1	1	0	0	0	0	0	2	0	2
20	EQUAL	number	48.53924179	7	5	2	0	0	3	0	2	0	0	0	0	0	2
21	PERIOD	number	45.2256279	6	6	0	2	2	0	0	2	0	0	0	0	0	0
22	MINUTE	number	45.2256279	6	0	6	0	0	0	0	0	0	0	0	0	4	2
23	FIND	number	44.10154724	9	9	0	0	1	4	4	0	0	0	0	0	0	0
24	SUBSTANCES	number	43.1745491	8	0	8	0	0	0	0	0	0	0	3	5	0	0
25	BUBBLES	number	39.3544693	5	0	5	0	0	0	0	0	0	0	5	0	0	0
26	ELECTRICITY	number	38.70493317	8	2	6	0	1	0	0	1	0	0	0	0	4	2

27	SAMPLES	number	34.10150146	5	3	2	0	0	3	0	0	0	0	0	1	1	0
28	DIFFERENT	number	33.95301819	8	2	6	1	0	0	0	1	0	0	5	1	0	0
29	ORDER	number	33.82510757	5	4	1	0	3	1	0	0	0	0	0	0	0	1
30	GROUP	number	33.57122421	6	5	1	2	2	0	0	1	0	0	0	1	0	0
31	AVERAGE	number	33.04008102	5	5	0	0	0	0	0	5	0	0	0	0	0	0
32	PROCEDURE	number	30.41327667	5	5	0	0	0	1	4	0	0	0	0	0	0	0
33	PLANTS	number	28.12522125	8	0	8	0	0	0	0	0	0	0	6	1	1	0
34	PLANT	number	25.31051636	7	4	3	0	1	1	2	0	0	0	0	0	3	0
35	LARGE	number	23.00013924	5	4	1	0	0	1	0	3	0	0	0	1	0	0
36	FOOD	number	20.2726593	7	3	4	0	2	1	0	0	0	0	0	3	0	1
37	NAME	number	19.62854576	5	3	2	1	0	0	2	0	0	0	1	0	1	0

7. The most significant collocates of *use* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LANGUAGE	use	390.9901733	43	7	36	0	2	1	4	0	0	9	18	8	1	0
2	WORDS	use	255.4974976	41	11	30	2	4	5	0	0	0	6	8	6	9	1
3	QUOTATIONS	use	174.5875244	18	1	17	0	0	0	1	0	0	6	4	2	3	2
4	POETS	use	154.06987	16	16	0	0	1	0	3	12	0	0	0	0	0	0
5	WRITERS	use	117.4331207	14	14	0	0	0	2	5	7	0	0	0	0	0	0
6	MADE	use	117.0348892	19	8	11	0	1	1	6	0	0	0	8	2	1	0
7	IMAGERY	use	108.7464523	13	3	10	1	1	1	0	0	0	3	2	4	1	0
8	DIALOGUE	use	97.08868408	13	2	11	0	1	1	0	0	0	3	3	4	1	0
9	PHRASES	use	88.47802734	12	3	9	0	1	2	0	0	0	4	0	1	1	3
10	GOOD	use	83.05853271	17	17	0	0	3	2	0	12	0	0	0	0	0	0
11	REFERENCE	use	80.02921295	10	0	10	0	0	0	0	0	0	1	5	1	1	2
12	MAKE	use	79.95940399	17	10	7	1	0	1	1	7	0	0	1	1	3	2
13	SUPPORT	use	73.38817596	10	0	10	0	0	0	0	0	0	0	1	3	4	2
14	QUOTES	use	72.27864075	8	4	4	0	1	3	0	0	0	4	0	0	0	0
15	EVIDENCE	use	70.46253204	10	1	9	0	0	0	1	0	0	4	3	1	1	0
16	TERMS	use	69.81023407	8	0	8	0	0	0	0	0	0	0	6	2	0	0
17	METAPHORS	use	68.15413666	7	0	7	0	0	0	0	0	0	2	4	0	1	0
18	ALLITERATION	use	64.11766052	8	1	7	0	0	0	0	1	0	3	2	0	1	1
19	SPEECH	use	61.949646	10	3	7	1	1	1	0	0	0	3	0	2	1	1
20	REPETITION	use	61.7556572	8	0	8	0	0	0	0	0	0	1	5	1	0	1
21	SOUND	use	61.11297989	11	2	9	0	1	0	1	0	0	6	1	0	1	1
22	DESCRIBE	use	61.02204132	12	0	12	0	0	0	0	0	0	0	3	1	4	4
23	HELP	use	59.04684448	10	0	10	0	0	0	0	0	0	0	0	5	0	5
24	SLANG	use	58.29692841	6	2	4	0	1	1	0	0	0	0	3	0	1	0
25	COLOUR	use	55.54224014	7	0	7	0	0	0	0	0	0	1	4	0	2	0
26	TEXT	use	54.78682709	8	2	6	2	0	0	0	0	0	0	1	1	2	2
27	ANSWER	use	53.73419571	14	7	7	4	0	2	0	1	0	0	0	2	2	3

28	IMAGINATION	use	51.55928802	6	0	6	0	0	0	0	0	0	0	4	1	0	1
29	EXAGGERATION	use	50.06649017	5	1	4	1	0	0	0	0	0	0	4	0	0	0
30	QUOTATION	use	49.23487473	6	0	6	0	0	0	0	0	0	0	3	0	2	1
31	EFFECTS	use	46.94948196	7	1	6	0	0	1	0	0	0	0	5	0	0	1
32	VERBS	use	46.7109642	6	2	4	0	1	1	0	0	0	0	3	0	0	1
33	WRITER'S	use	45.11907959	6	6	0	0	0	0	0	6	0	0	0	0	0	0
34	PARAGRAPHS	use	44.97294998	7	3	4	0	0	1	2	0	0	2	2	0	0	0
35	SIMILES	use	44.75065994	5	0	5	0	0	0	0	0	0	3	1	1	0	0
36	HUMOUR	use	43.49866867	6	0	6	0	0	0	0	0	0	3	1	1	1	0
37	PICTURES	use	43.24787521	7	4	3	0	1	3	0	0	0	1	0	0	1	1
38	STYLE	use	42.63882828	7	4	3	1	1	1	1	0	0	0	1	0	2	0
39	FOLLOWING	use	42.06987	10	1	9	0	0	1	0	0	0	0	6	2	0	1
40	LETTERS	use	40.4453125	7	1	6	1	0	0	0	0	0	0	4	0	1	1
41	APPROPRIATE	use	40.28490829	5	0	5	0	0	0	0	0	0	3	0	0	1	1
42	EXAMINE	use	39.35125351	5	4	1	0	2	1	1	0	0	0	0	0	1	0
43	RELEVANT	use	39.05873871	5	0	5	0	0	0	0	0	0	4	0	0	1	0
44	SENTENCES	use	38.82673645	7	1	6	0	0	0	1	0	0	1	3	2	0	0
45	CHARACTERS	use	37.4494133	9	6	3	2	1	0	1	2	0	0	0	1	1	1
46	DETAIL	use	35.88487625	5	1	4	0	0	0	1	0	0	1	2	0	0	1
47	QUESTIONS	use	35.75250626	9	5	4	0	1	2	2	0	0	0	1	1	1	1
48	DESCRIPTION	use	35.40207291	6	1	5	0	1	0	0	0	0	0	4	0	0	1
49	QUESTION	use	35.07409668	8	2	6	1	0	0	1	0	0	1	2	0	2	1
50	MARKS	use	34.83006287	7	2	5	1	0	0	1	0	0	0	3	2	0	0
51	CAPITAL	use	34.70729446	5	0	5	0	0	0	0	0	0	4	0	1	0	0
52	IMPROVE	use	33.82400894	5	0	5	0	0	0	0	0	0	0	0	0	4	1
53	WORD	use	33.38711166	7	4	3	0	0	2	2	0	0	0	1	1	1	0
54	POEM	use	32.05760193	10	6	4	1	2	0	2	1	0	0	0	0	1	3
55	RHYME	use	31.84428406	5	0	5	0	0	0	0	0	0	2	0	1	1	1
56	SIMPLE	use	31.17885971	5	1	4	0	0	0	1	0	0	2	1	0	0	1
57	READING	use	30.33203316	7	3	4	0	1	2	0	0	0	0	3	0	0	1
58	POINTS	use	29.99536133	6	3	3	1	1	1	0	0	0	0	1	0	2	0

59	WRITER	use	29.96227646	7	7	0	0	2	0	1	4	0	0	0	0	0	0
60	CREATE	use	29.3135643	5	0	5	0	0	0	0	0	0	0	1	3	1	0
61	SPECIAL	use	28.79777145	5	1	4	1	0	0	0	0	0	0	1	0	3	0
62	SENSE	use	28.40423584	5	0	5	0	0	0	0	0	0	0	3	0	0	2
63	BETTER	use	27.2268486	5	5	0	0	1	0	0	4	0	0	0	0	0	0
64	ENGLISH	use	26.48945236	5	1	4	0	0	0	1	0	0	0	3	0	0	1
65	POINT	use	25.9742012	6	5	1	0	1	2	2	0	0	0	0	0	0	1
66	KIND	use	23.08710289	5	4	1	3	1	0	0	0	0	0	0	1	0	0
67	WRITING	use	22.6028862	7	4	3	1	1	1	0	1	0	0	0	1	1	1
68	OWN	use	22.11426163	6	0	6	0	0	0	0	0	0	0	4	1	1	0
69	EXAMPLE	use	20.15532112	5	2	3	0	2	0	0	0	0	0	3	0	0	0
70	EXPLAIN	use	19.50338173	5	1	4	0	1	0	0	0	0	0	1	1	0	2
71	DIFFERENT	use	19.17656708	5	1	4	1	0	0	0	0	0	2	1	0	1	0
72	WAY	use	18.71040535	6	3	3	0	0	0	3	0	0	0	0	0	1	2
73	LIKE	use	18.44149208	8	2	6	0	0	0	2	0	0	1	4	1	0	0
74	SHORT	use	17.79323006	5	0	5	0	0	0	0	0	0	2	2	0	1	0
75	DON'T	use	15.91142941	5	5	0	1	1	2	0	1	0	0	0	0	0	0
76	TIME	use	15.77739334	6	2	4	2	0	0	0	0	0	0	0	2	1	1
77	PEOPLE	use	15.70782089	6	3	3	0	1	1	1	0	0	0	0	0	0	3

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LAND	use	457.2962646	65	49	16	1	4	1	0	43	0	2	4	4	2	4
2	EVIDENCE	use	442.8910828	54	1	53	0	1	0	0	0	0	37	11	1	1	3
3	MAP	use	325.2354126	57	2	55	0	1	0	1	0	0	7	16	9	21	2
4	HEADINGS	use	154.0637512	15	0	15	0	0	0	0	0	0	1	4	10	0	0
5	ATLAS	use	113.5803833	12	0	12	0	0	0	0	0	0	0	11	0	0	1
6	INTENSITY	use	105.6100616	8	6	2	0	0	6	0	0	0	1	0	1	0	0
7	PHOTOGRAPH	use	105.2671432	21	3	18	1	1	0	0	1	0	0	4	1	11	2
8	SUPPORT	use	100.0886459	14	0	14	0	0	0	0	0	0	0	0	3	11	0
9	PENCIL	use	98.44706726	10	0	10	0	0	0	0	0	0	1	7	2	0	0

10	DISUSE	use	92.39315796	7	0	7	0	0	0	0	0	0	1	6	0	0	0
11	IDENTIFY	use	92.04052734	18	6	12	0	1	4	1	0	0	0	0	0	9	3
12	HELP	use	82.65084076	13	0	13	0	0	0	0	0	0	0	1	2	5	5
13	USAID	use	80.18398285	7	7	0	0	4	3	0	0	0	0	0	0	0	0
14	REFERENCES	use	79.71790314	11	0	11	0	0	0	0	0	0	0	10	0	1	0
15	VALUES	use	76.26177216	9	6	3	2	0	4	0	0	0	0	0	2	1	0
16	GRID	use	71.52681732	14	1	13	0	0	0	1	0	0	9	3	1	0	0
17	ANSWER	use	71.49545288	13	9	4	0	0	1	0	8	0	0	0	0	3	1
18	PEOPLE	use	71.40772247	21	19	2	0	4	1	4	10	0	0	1	1	0	0
19	RESOURCES	use	67.92446136	11	1	10	0	0	0	0	1	0	0	5	1	2	2
20	LIGHTHOUSE	use	65.73134613	6	6	0	0	0	0	6	0	0	0	0	0	0	0
21	FIGURE	use	63.38195419	15	1	14	0	1	0	0	0	0	2	0	2	7	3
22	MAKE	use	62.44754791	11	2	9	0	0	0	1	1	0	0	1	4	1	3
23	FOLLOWING	use	60.49788666	15	3	12	0	0	0	2	1	0	0	10	0	0	2
24	WATER	use	57.94544983	17	7	10	1	1	0	1	4	0	0	4	2	2	2
25	KEY	use	51.14430618	6	0	6	0	0	0	0	0	0	1	0	4	0	1
26	DIAGRAM	use	48.59168243	7	0	7	0	0	0	0	0	0	0	3	1	3	0
27	CAR	use	44.41284943	7	5	2	0	1	0	1	3	0	0	2	0	0	0
28	HEAVY	use	44.18384933	8	5	3	0	2	0	3	0	0	2	1	0	0	0
29	WAYS	use	44.18384933	8	7	1	0	7	0	0	0	0	0	0	0	1	0
30	ENERGY	use	43.42189026	8	2	6	1	0	1	0	0	0	0	2	1	2	1
31	PHOTOGRAPHS	use	43.14200592	9	5	4	0	3	1	1	0	0	0	2	0	1	1
32	WORDS	use	42.86316681	6	2	4	0	0	2	0	0	0	0	2	2	0	0
33	INDUSTRIES	use	42.49517441	8	7	1	1	0	0	1	5	0	0	0	1	0	0
34	EXTRACT	use	40.69223785	7	1	6	0	0	0	1	0	0	0	0	3	2	1
35	TRAFFIC	use	39.43164825	8	4	4	0	1	1	1	1	0	1	0	2	0	1
36	LINEAR	use	39.32076645	6	0	6	0	0	0	0	0	0	0	5	1	0	0
37	SCALE	use	38.79325485	8	2	6	0	0	0	1	1	0	0	0	5	1	0
38	OS [ORDNANCE SU	use	37.57409286	7	0	7	0	0	0	0	0	0	2	4	0	0	1
39	INFORMATION	use	35.83907318	7	0	7	0	0	0	0	0	0	2	4	1	0	0
40	PEAT	use	35.05013657	7	2	5	0	1	1	0	0	0	1	1	1	0	2

41	HELPS	use	34.68652344	5	0	5	0	0	0	0	0	0	0	0	5	0	0
42	RESULTS	use	31.87466431	5	1	4	0	1	0	0	0	0	0	4	0	0	0
43	RESOURCE	use	31.74650383	6	1	5	1	0	0	0	0	0	0	4	1	0	0
44	MAPS	use	31.72763824	8	6	2	1	1	1	0	3	0	2	0	0	0	0
45	CHART	use	31.36513138	5	0	5	0	0	0	0	0	0	0	1	3	0	1
46	MEASURE	use	30.8810997	5	0	5	0	0	0	0	0	0	0	0	0	1	4
47	MATERIALS	use	29.67153931	6	0	6	0	0	0	0	0	0	0	0	5	1	0
48	FARMERS	use	28.76978493	5	5	0	2	0	1	0	2	0	0	0	0	0	0
49	SUGGEST	use	27.04069328	5	3	2	0	0	2	1	0	0	0	0	1	1	0
50	CITY	use	26.08215332	9	5	4	2	0	1	1	1	0	0	2	1	1	0
51	PROVIDED	use	25.13716698	5	0	5	0	0	0	0	0	0	0	0	3	2	0
52	WAY	use	23.70164108	5	1	4	1	0	0	0	0	0	0	2	0	1	1
53	ACTIVITIES	use	23.33922386	7	4	3	2	0	1	1	0	0	0	0	2	0	1
54	STREET	use	22.07844162	5	4	1	0	1	0	3	0	0	0	1	0	0	0
55	INCREASE	use	21.53665161	5	2	3	0	1	0	1	0	0	0	0	3	0	0
56	ROADS	use	20.35613632	6	2	4	0	1	1	0	0	0	0	2	1	0	1
57	CITIES	use	19.20173836	6	2	4	0	1	0	1	0	0	0	4	0	0	0
58	TRANSPORT	use	18.87267876	5	2	3	0	1	1	0	0	0	0	0	1	1	1
59	POOR	use	17.80915833	5	3	2	1	2	0	0	0	0	0	2	0	0	0
60	SETTLEMENT	use	17.20073891	6	4	2	0	0	3	1	0	0	0	1	0	0	1
61	TOWN	use	16.94877625	6	3	3	0	3	0	0	0	0	1	0	1	1	0
62	DESCRIBE	use	16.75831032	5	2	3	1	1	0	0	0	0	0	1	0	2	0
63	SERVICES	use	16.07032585	5	3	2	1	2	0	0	0	0	0	1	1	0	0

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LANGUAGE	use	76.24867	9	2	7	1	0	1	0	0	0	0	0	2	4	1
2	SOURCES	use	75.97194	10	3	7	1	0	2	0	0	0	1	5	1	0	0
3	LAND	use	50.548	10	6	4	2	3	0	0	1	0	0	3	1	0	0
4	PUBLIC	use	50.45219	8	2	6	0	0	1	0	1	0	3	3	0	0	0
5	MADE	use	49.61694	10	4	6	0	2	0	2	0	0	0	6	0	0	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ENERGY	use	62.34726334	8	3	5	0	1	1	0	1	0	1	1	3	0	0
2	BAGS	use	54.62801743	5	1	4	0	0	0	1	0	0	0	2	2	0	0
3	PRODUCTS	use	48.77076721	6	0	6	0	0	0	0	0	0	0	2	3	1	0
4	PEOPLE	use	47.03013229	14	10	4	3	2	0	2	3	0	0	0	1	1	2
5	PLASTIC	use	45.92987061	5	1	4	0	0	1	0	0	0	2	2	0	0	0
6	INFORMATION	use	30.31994438	6	1	5	0	1	0	0	0	0	0	3	0	1	1
7	QUESTIONS	use	29.11120415	6	2	4	1	0	0	0	1	0	0	3	1	0	0
8	LIKE	use	22.41697311	5	1	4	0	1	0	0	0	0	0	0	1	2	1
9	SCHOOL	use	17.46280289	5	2	3	1	0	0	1	0	0	0	1	0	1	1

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	GRAPH	use	450.7676392	55	2	53	1	1	0	0	0	0	1	50	1	1	0
2	INFORMATION	use	439.6991577	44	13	31	0	0	0	13	0	0	0	31	0	0	0
3	ESTIMATE	use	346.640686	34	2	32	2	0	0	0	0	0	0	0	0	29	3
4	FIND	use	296.1968079	53	5	48	2	2	1	0	0	0	0	0	5	30	13
5	FORM	use	239.9062958	30	4	26	0	1	0	1	2	0	0	0	0	26	0
6	CALCULATOR	use	167.9500275	19	2	17	0	0	0	0	2	0	1	13	3	0	0
7	FORMULA	use	161.8794098	18	0	18	0	0	0	0	0	0	2	12	4	0	0
8	CURVE	use	160.280304	18	2	16	0	1	0	1	0	0	0	14	0	2	0
9	SOLVE	use	113.7636795	19	4	15	0	4	0	0	0	0	0	0	0	11	4
10	RATIO	use	108.3508682	15	0	15	0	0	0	0	0	0	0	0	15	0	0
11	REPRESENT	use	105.7531204	14	13	1	0	13	0	0	0	0	0	0	0	0	1
12	PROTRACTOR	use	105.205307	9	0	9	0	0	0	0	0	0	0	9	0	0	0
13	ADJACENT	use	87.3000412	10	7	3	1	3	3	0	0	0	0	0	0	3	0
14	FACT	use	82.53302002	7	0	7	0	0	0	0	0	0	0	1	6	0	0
15	GRAPHS	use	77.02203369	8	1	7	0	0	0	0	1	0	0	7	0	0	0
16	DIAGRAM	use	67.16210175	13	4	9	0	1	2	1	0	0	0	4	5	0	0

17	ALTERNATIVELY	use	65.57868958	6	5	1	0	0	5	0	0	0	0	0	0	0	1
18	PYTHAGORAS'S	use	65.24707794	7	0	7	0	0	0	0	0	0	7	0	0	0	0
19	METHODS	use	62.63079071	6	0	6	0	0	0	0	0	0	0	6	0	0	0
20	COSINE	use	62.18241501	5	0	5	0	0	0	0	0	0	0	5	0	0	0
21	CALCULATE	use	58.34771729	16	0	16	0	0	0	0	0	0	0	0	10	2	4
22	THEOREM	use	56.97812271	7	0	7	0	0	0	0	0	0	0	7	0	0	0
23	SINE	use	53.24521637	5	1	4	1	0	0	0	0	0	0	4	0	0	0
24	VENN	use	52.69918823	8	4	4	1	2	1	0	0	0	0	4	0	0	0
25	FOLLOWING	use	48.627491	11	0	11	0	0	0	0	0	0	0	10	0	1	0
26	SPENT	use	48.5881691	6	6	0	4	2	0	0	0	0	0	0	0	0	0
27	METHOD	use	46.89145279	7	4	3	0	0	0	4	0	0	0	2	1	0	0
28	NOTATION	use	45.97950363	6	3	3	0	3	0	0	0	0	0	1	0	0	2
29	OPPOSITE	use	45.95934296	8	3	5	1	0	2	0	0	0	0	0	0	4	1
30	EQUATION	use	38.96885681	10	5	5	3	1	0	1	0	0	0	4	0	0	1
31	INDEX	use	35.56250381	5	2	3	2	0	0	0	0	0	1	0	0	2	0
32	HYPOTENUSE	use	33.93506241	5	4	1	2	0	0	2	0	0	0	0	0	0	1
33	RECTANGLE	use	25.43651199	5	5	0	5	0	0	0	0	0	0	0	0	0	0
34	DRAW	use	25.08745575	6	0	6	0	0	0	0	0	0	0	0	0	6	0
35	ANSWER	use	23.83680344	5	2	3	0	1	1	0	0	0	0	1	0	2	0
36	DOMAIN	use	23.55648613	5	5	0	1	4	0	0	0	0	0	0	0	0	0
37	FREQUENCY	use	21.76317024	5	2	3	1	0	1	0	0	0	0	0	3	0	0
38	LINE	use	19.35151672	7	4	3	3	0	1	0	0	0	0	0	0	2	1
39	CM	use	17.82549095	8	8	0	0	1	2	5	0	0	0	0	0	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Rigl	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	MAKE	use	130.9297638	24	15	9	1	0	0	3	11	0	0	4	0	1	4
2	ELECTRICITY	use	91.47702789	17	9	8	1	0	5	3	0	0	1	3	0	2	2
3	FIND	use	81.32318878	16	1	15	1	0	0	0	0	0	0	0	0	10	5
4	EXPERIMENT	use	76.088974	19	13	6	2	1	5	5	0	0	0	1	1	1	3

5	TEST	use	68.2572403	18	2	16	0	1	0	1	0	0	1	4	6	4	1
6	ENERGY	use	68.21878815	21	7	14	2	0	1	4	0	0	4	4	4	1	1
7	GRAPH	use	63.86932755	9	0	9	0	0	0	0	0	0	0	9	0	0	0
8	PLANTS	use	62.55317307	16	14	2	0	1	3	1	9	0	1	0	1	0	0
9	APPARATUS	use	62.1897049	13	10	3	0	1	3	5	1	0	0	0	0	2	1
10	SHOW	use	61.04006577	14	8	6	1	5	0	2	0	0	0	1	3	1	1
11	KEY	use	56.32075119	7	0	7	0	0	0	0	0	0	0	0	6	1	0
12	NAME	use	56.22948837	12	11	1	3	0	2	0	6	0	0	1	0	0	0
13	TONGS	use	54.93031311	6	0	6	0	0	0	0	0	0	2	4	0	0	0
14	CAREFUL	use	49.08834839	6	6	0	0	0	0	0	6	0	0	0	0	0	0
15	INSTEAD	use	47.37584686	6	0	6	0	0	0	0	0	0	1	2	2	1	0
16	NATURAL	use	44.08287048	7	0	7	0	0	0	0	0	0	1	2	4	0	0
17	FOLLOWING	use	43.54314423	9	2	7	0	0	0	2	0	0	0	4	1	1	1
18	CYLINDER	use	42.7461319	7	2	5	0	0	2	0	0	0	0	0	5	0	0
19	GRADUATED	use	39.73593521	6	2	4	0	2	0	0	0	0	0	4	0	0	0
20	LABORATORY	use	38.55100632	6	2	4	0	0	1	0	1	0	0	0	3	1	0
21	REMEMBER	use	38.16518021	5	2	3	0	0	0	2	0	0	1	1	0	0	1
22	LITMUS	use	37.86393738	7	0	7	0	0	0	0	0	0	4	2	0	1	0
23	UNITS	use	37.47566605	6	3	3	1	1	0	1	0	0	0	0	2	1	0
24	EQUIPMENT	use	36.86025238	5	1	4	0	0	1	0	0	0	0	0	0	0	4
25	MEASURE	use	35.4453392	7	0	7	0	0	0	0	0	0	0	1	0	3	3
26	IDENTIFY	use	33.10288239	5	0	5	0	0	0	0	0	0	0	0	0	0	5
27	METHOD	use	33.04517365	10	3	7	0	0	2	0	1	0	0	4	2	1	0
28	LDR [LIGHT DEP	use	32.89720535	5	1	4	0	1	0	0	0	0	1	1	2	0	0
29	TABLE	use	31.63690186	7	3	4	0	1	0	2	0	0	1	0	2	0	1
30	DAY	use	31.37321091	6	0	6	0	0	0	0	0	0	0	2	2	2	0
31	FOOD	use	31.0859108	11	1	10	0	0	1	0	0	0	2	3	2	0	3
32	CHEMICAL	use	30.14302254	8	7	1	3	2	2	0	0	0	0	1	0	0	0
33	USUALLY	use	29.60673714	6	6	0	0	0	1	1	4	0	0	0	0	0	0
34	CALLED	use	28.83018684	10	2	8	0	2	0	0	0	0	0	0	7	1	0

35	CURRENT	use	28.78878593	9	1	8	0	0	1	0	0	0	1	2	3	1	1
36	SIMPLE	use	28.0598278	7	1	6	1	0	0	0	0	0	0	4	1	1	0
37	RAY	use	27.33021736	5	0	5	0	0	0	0	0	0	0	5	0	0	0
38	BOX	use	27.10463524	5	0	5	0	0	0	0	0	0	0	0	5	0	0
39	INDICATOR	use	26.66892815	5	0	5	0	0	0	0	0	0	0	2	3	0	0
40	DIFFERENT	use	26.45543861	8	2	6	0	2	0	0	0	0	2	2	1	0	1
41	OXYGEN	use	25.5953331	9	0	9	0	0	0	0	0	0	2	1	3	3	0
42	DIAGRAM	use	25.48654747	7	2	5	0	1	0	0	1	0	0	3	2	0	0
43	CIRCUIT	use	24.43461037	7	3	4	0	1	1	0	1	0	1	0	2	0	1
44	ANIMALS	use	23.94087029	7	1	6	0	0	0	0	1	0	0	2	0	3	1
45	WATER	use	22.58207893	17	10	7	2	3	0	4	1	0	1	2	0	1	3
46	PAPER	use	21.13476372	7	1	6	1	0	0	0	0	0	0	1	2	0	3
47	CHEMICALS	use	20.12801552	5	1	4	0	0	0	1	0	0	0	3	0	0	1
48	PLACE	use	18.0617981	7	2	5	0	0	1	1	0	0	0	0	0	4	1
49	LIGHT	use	17.07793045	8	0	8	0	0	0	0	0	0	0	6	1	0	1
50	SOLUTION	use	15.7507019	6	1	5	0	0	1	0	0	0	0	3	1	1	0
51	SAME	use	15.68303204	5	0	5	0	0	0	0	0	0	0	5	0	0	0

8. The most significant collocates of *time* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Righ	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LONG	time	148.6983643	23	19	4	0	0	1	0	18	0	0	2	2	0	0
2	PLACE	time	143.7888947	23	9	14	1	1	3	3	1	0	1	10	1	1	1
3	SAME	time	86.52442169	14	14	0	0	0	1	0	13	0	0	0	0	0	0
4	SPEND	time	83.59537506	10	9	1	2	2	1	4	0	0	0	0	1	0	0
5	PART	time	64.85942841	12	11	1	0	0	0	0	11	0	0	0	0	0	1
6	YEAR	time	60.151371	11	1	10	0	0	0	1	0	0	0	8	2	0	0
7	DIFFERENT	time	54.36253738	11	7	4	2	1	0	0	4	0	0	2	0	1	1
8	WASTE	time	52.89435196	6	5	1	0	0	0	3	2	0	0	0	1	0	0
9	TAKE	time	48.20050812	10	8	2	0	1	0	4	3	0	0	0	1	0	1
10	SETTING	time	48.04602432	8	8	0	3	0	0	0	5	0	0	0	0	0	0
11	DAY	time	46.5217514	10	1	9	0	1	0	0	0	0	0	5	3	1	0
12	SHAKESPEARE'S	time	44.59650421	6	6	0	0	0	0	0	6	0	0	0	0	0	0
13	STORY	time	44.52562714	15	7	8	1	4	1	1	0	0	0	0	2	4	2
14	CAME	time	42.92938995	9	5	4	1	2	2	0	0	0	1	1	1	1	0
15	DIDN'T	time	40.70133972	8	4	4	3	1	0	0	0	0	1	2	0	1	0
16	HAPPY	time	39.40956879	7	2	5	1	0	0	0	1	0	0	0	1	2	2
17	TURNED	time	38.28327179	7	2	5	1	0	0	1	0	0	1	1	0	2	1
18	HADN'T	time	38.03818512	5	3	2	0	0	0	0	3	0	0	1	1	0	0
19	BECAUSE	time	37.67728806	9	5	4	0	3	1	1	0	0	2	0	1	0	1
20	JUST	time	35.53882217	10	5	5	0	0	1	4	0	0	1	0	2	2	0
21	CHARACTER	time	34.05064774	9	7	2	0	0	5	2	0	0	0	0	2	0	0
22	MINUTES	time	32.85123825	6	4	2	0	2	2	0	0	0	0	0	0	1	1
23	COME	time	32.25022888	8	2	6	1	1	0	0	0	0	0	3	2	1	0
24	SET	time	31.83370781	7	2	5	0	1	1	0	0	0	1	2	1	0	1
25	HOURS	time	30.94171524	5	0	5	0	0	0	0	0	0	2	1	1	1	0
26	HALF	time	30.24581909	6	6	0	0	1	0	1	4	0	0	0	0	0	0
27	TELLS	time	29.57646179	6	4	2	1	1	2	0	0	0	0	0	0	2	0

28	UPON	time	28.83020782	5	5	0	0	0	0	5	0	0	0	0	0	0	0
29	TAKES	time	28.58073616	5	3	2	0	0	0	2	1	0	0	2	0	0	0
30	RIGHT	time	28.22727394	7	4	3	0	0	1	2	1	0	0	0	0	0	3
31	LOOK	time	27.98192787	8	6	2	6	0	0	0	0	0	0	1	0	1	0
32	SCHOOL	time	26.91929245	8	5	3	1	3	1	0	0	0	0	1	0	2	0
33	SEEMED	time	26.48851776	5	2	3	0	2	0	0	0	0	1	1	0	1	0
34	SAID	time	26.05120659	10	6	4	0	2	4	0	0	0	0	3	0	1	0
35	THOUGHT	time	24.56264496	6	2	4	1	0	1	0	0	0	0	0	3	1	0
36	HOME	time	23.57695961	6	2	4	0	1	0	1	0	0	0	0	2	1	1
37	GO	time	23.34589195	7	3	4	1	1	1	0	0	0	0	2	0	2	0
38	TOOK	time	23.04998589	5	4	1	0	0	0	4	0	0	0	1	0	0	0
39	LIKE	time	23.03167915	10	5	5	2	2	0	1	0	0	2	1	0	2	0
40	SEEN	time	21.83286095	5	0	5	0	0	0	0	0	0	0	2	1	0	2
41	SHORT	time	20.88684654	6	5	1	1	0	0	0	4	0	0	0	1	0	0
42	FAMILY	time	20.49593163	5	3	2	1	2	0	0	0	0	0	0	0	2	0
43	IT'S	time	20.01191139	6	3	3	0	0	0	1	2	0	1	1	1	0	0
44	MRS	time	19.89487839	5	4	1	2	0	0	2	0	0	0	0	1	0	0
45	NIGHT	time	19.89487839	5	2	3	0	0	0	0	2	0	1	1	0	1	0
46	OWN	time	19.5847168	6	3	3	0	1	0	0	2	0	0	0	1	1	1
47	WORK	time	18.84474754	5	2	3	1	0	1	0	0	0	1	0	1	0	1
48	CHARACTERS	time	17.81739616	6	3	3	1	0	0	2	0	0	0	0	1	1	1
49	AWAY	time	17.71464157	5	3	2	0	3	0	0	0	0	2	0	0	0	0
50	TELL	time	17.09366989	5	0	5	0	0	0	0	0	0	0	2	1	2	0
51	WELL	time	16.13422585	6	3	3	2	1	0	0	0	0	0	1	1	1	0
52	USE	time	15.77739334	6	4	2	1	1	2	0	0	0	0	0	0	0	2

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LONG	time	216.6194916	27	26	1	0	0	11	0	15	0	0	0	0	1	0
2	CHANGE	time	160.5766144	20	19	1	0	6	0	13	0	0	0	0	1	0	0
3	FULL	time	158.4615936	14	12	2	0	0	2	0	10	0	0	0	1	0	1

4	YEAR	time	134.4895935	18	0	18	0	0	0	0	0	0	0	16	2	0	0
5	CHANGES	time	128.6610718	15	14	1	0	2	0	12	0	0	0	0	0	1	0
6	PERIOD	time	103.7851868	11	10	1	0	0	0	10	0	0	1	0	0	0	0
7	PART	time	96.84192657	14	11	3	1	0	0	0	10	0	2	0	0	0	1
8	POPULATION	time	90.33824921	20	14	6	2	7	4	1	0	0	1	3	1	0	1
9	CHANGED	time	76.33894348	9	8	1	0	1	1	6	0	0	0	0	0	1	0
10	SAME	time	75.48142242	10	10	0	0	0	1	0	9	0	0	0	0	0	0
11	FUNCTION	time	53.69098282	8	7	1	0	0	1	6	0	0	0	0	0	0	1
12	MEN	time	50.75157547	7	5	2	2	0	3	0	0	0	1	0	1	0	0
13	WOMEN	time	50.06744385	9	2	7	0	1	1	0	0	0	1	0	2	3	1
14	FUNCTIONS	time	49.39020538	8	5	3	1	1	1	2	0	0	0	0	2	0	1
15	GROW	time	45.52728271	7	2	5	0	1	1	0	0	0	0	1	1	0	3
16	PRESENT	time	43.01095963	6	6	0	0	0	0	0	6	0	0	0	0	0	0
17	SHORT	time	38.51036453	5	5	0	0	0	2	0	3	0	0	0	0	0	0
18	PHOTOGRAPH	time	37.52474594	9	1	8	0	1	0	0	0	0	0	0	0	0	8
19	DAY	time	35.41639709	6	0	6	0	0	0	0	0	0	0	4	0	2	0
20	EMPLOYMENT	time	33.01693726	5	1	4	0	0	1	0	0	0	1	0	1	1	1
21	LOCATION	time	32.79831696	7	3	4	2	0	1	0	0	0	0	1	3	0	0
22	JOBS	time	30.26428223	5	0	5	0	0	0	0	0	0	3	0	0	2	0
23	STAGE	time	28.43709946	5	3	2	0	1	1	1	0	0	0	1	0	1	0
24	PLACE	time	27.50569916	6	1	5	0	0	0	1	0	0	0	0	2	1	2
25	DUBLIN	time	25.21261024	7	4	3	0	1	1	2	0	0	0	1	0	0	2
26	DENSITY	time	24.32239723	5	5	0	0	0	3	2	0	0	0	0	0	0	0
27	PHOTOGRAPHS	time	22.34307861	5	1	4	0	1	0	0	0	0	0	1	0	2	1
28	TOWN	time	21.72473907	6	5	1	0	2	3	0	0	0	0	0	0	1	0
29	DEVELOPMENT	time	21.51165581	5	1	4	0	0	0	1	0	0	0	0	1	2	1
30	IRELAND	time	20.97500801	7	3	4	1	0	2	0	0	0	1	1	0	0	2
31	FORM	time	20.40812492	5	0	5	0	0	0	0	0	0	0	3	0	0	2
32	WORK	time	20.14390564	5	3	2	1	0	0	2	0	0	2	0	0	0	0
33	PEOPLE	time	19.22804832	8	2	6	0	0	2	0	0	0	4	0	1	1	0

34	STUDY	time	18.45813179	5	2	3	2	0	0	0	0	0	2	0	0	0	1
35	IDENTIFY	time	17.18206215	5	4	1	0	0	1	3	0	0	0	0	1	0	0

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SAME	time	238.1655121	26	26	0	1	0	1	0	24	0	0	0	0	0	0
2	PART	time	144.121521	21	20	1	1	1	0	0	18	0	0	1	0	0	0
3	SPENT	time	122.1448746	14	10	4	0	7	1	1	1	0	2	1	1	0	0
4	FULL	time	119.8342361	13	12	1	0	1	1	0	10	0	0	1	0	0	0
5	LEISURE	time	104.8373566	12	8	4	0	0	1	0	7	0	0	3	0	0	1
6	COME	time	62.73021317	8	5	3	1	2	1	1	0	0	0	2	0	0	1
7	INVENTED	time	59.98226547	8	3	5	1	0	2	0	0	0	0	0	0	5	0
8	SHORT	time	57.83332825	7	7	0	0	0	0	0	7	0	0	0	0	0	0
9	SOLDIERS	time	53.40748215	10	2	8	1	0	1	0	0	0	3	3	1	1	0
10	LONG	time	47.14427948	8	8	0	0	0	0	0	8	0	0	0	0	0	0
11	MILITIA	time	45.54102325	5	3	2	0	0	1	2	0	0	1	0	0	1	0
12	HISTORIANS	time	44.2840538	6	4	2	1	1	1	1	0	0	1	0	0	0	1
13	STUDIED	time	42.72552109	6	0	6	0	0	0	0	0	0	0	5	0	1	0
14	MONEY	time	41.88554001	7	3	4	0	0	2	1	0	0	1	1	2	0	0
15	LITTLE	time	38.79153824	7	6	1	0	1	0	1	4	0	0	0	0	1	0
16	EVENTS	time	38.12900925	6	2	4	1	0	1	0	0	0	0	1	2	1	0
17	FORCE	time	38.07445526	7	1	6	0	0	1	0	0	0	4	2	0	0	0
18	WRITING	time	37.42121887	5	0	5	0	0	0	0	0	0	0	4	0	0	1
19	PRESENT	time	36.23899078	5	4	1	0	0	0	0	4	0	0	1	0	0	0
20	GROUPS	time	35.60943222	6	2	4	1	1	0	0	0	0	1	1	1	1	0
21	FARMERS	time	35.18453598	7	3	4	3	0	0	0	0	0	1	2	0	0	1
22	IMPORTANT	time	34.921772	8	5	3	1	2	1	0	1	0	0	0	2	1	0
23	BECAME	time	31.46241188	9	3	6	1	0	0	2	0	0	1	2	3	0	0
24	FREE	time	27.85830688	6	5	1	0	1	0	0	4	0	0	1	0	0	0
25	WORKING	time	25.66602516	5	4	1	1	1	2	0	0	0	1	0	0	0	0

26	WORKED	time	25.30107498	5	4	1	2	0	1	1	0	0	0	0	0	1	0
27	TOOK	time	24.56892014	6	3	3	1	1	1	0	0	0	0	3	0	0	0
28	INDUSTRY	time	24.28429031	5	2	3	1	1	0	0	0	0	0	0	2	0	1
29	RELIGIOUS	time	23.96851349	5	4	1	1	2	1	0	0	0	0	0	1	0	0
30	GAVE	time	23.90662193	5	4	1	1	0	1	2	0	0	0	0	0	1	0
31	COUNTRY	time	22.14918327	6	3	3	0	0	3	0	0	0	0	0	3	0	0
32	YEARS	time	20.90638733	6	2	4	2	0	0	0	0	0	0	1	2	0	1
33	USE	time	20.19843483	5	2	3	0	1	1	0	0	0	0	0	0	1	2
34	PEOPLE	time	19.15666389	10	5	5	2	1	2	0	0	0	0	2	1	1	1
35	ARMY	time	18.55300522	6	3	3	0	1	2	0	0	0	3	0	0	0	0
36	HOME	time	17.30683517	5	1	4	0	1	0	0	0	0	0	1	3	0	0
37	USED	time	16.80586815	6	3	3	1	0	2	0	0	0	0	0	1	1	1

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FULL	time	166.9849396	15	15	0	0	0	1	0	14	0	0	0	0	0	0
2	DATE	time	83.79029083	9	9	0	0	0	2	5	2	0	0	0	0	0	0
3	SPEND	time	76.01966095	8	7	1	1	0	3	2	1	0	0	1	0	0	0
4	PART	time	43.05493164	8	8	0	1	0	0	0	7	0	0	0	0	0	0
5	ELECTION	time	42.74248505	7	6	1	0	1	0	0	5	0	0	0	0	1	0
6	YEARS	time	28.68947601	6	4	2	1	1	2	0	0	0	0	0	0	2	0
7	PEOPLE	time	18.53139496	8	4	4	2	0	2	0	0	0	0	0	2	0	2
8	SCHOOL	time	17.46280289	5	3	2	1	0	0	2	0	0	0	1	1	0	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TAKEN	time	536.0875244	47	0	47	0	0	0	0	0	0	45	0	1	0	1
2	DISTANCE	time	527.3590698	53	40	13	9	3	17	8	3	0	4	2	2	2	3
3	SPEED	time	446.2703857	48	33	15	3	4	3	18	5	0	2	6	2	2	3
4	TOTAL	time	209.8580933	27	23	4	1	0	0	2	20	0	0	0	1	2	1

5	JOURNEYS	time	204.7089844	15	8	7	3	2	0	3	0	0	0	0	5	2	0
6	MINUTES	time	195.4207001	23	7	16	2	2	1	1	1	0	4	6	3	0	3
7	KM	time	153.2742004	22	15	7	2	8	5	0	0	0	0	1	1	0	5
8	HOURS	time	150.9370117	19	7	12	2	2	2	0	1	0	0	1	5	4	2
9	YEARS	time	146.4703979	20	18	2	0	0	0	0	18	0	0	0	0	1	1
10	JOURNEY	time	120.9999466	14	6	8	0	1	1	3	1	0	0	0	0	3	5
11	AVERAGE	time	116.1686707	15	5	10	1	0	2	1	1	0	0	1	0	4	5
12	AXIS	time	91.56829834	16	10	6	0	1	2	4	3	0	5	0	0	0	1
13	TEMPERATURE	time	89.80937958	9	5	4	1	3	0	1	0	0	1	0	1	2	0
14	LATEST	time	75.69252014	6	6	0	0	0	0	0	6	0	0	0	0	0	0
15	CALCULATE	time	75.67619324	19	17	2	1	2	3	8	3	0	0	0	1	0	1
16	SECONDS	time	74.38625336	8	1	7	1	0	0	0	0	0	0	4	1	1	1
17	OVERALL	time	72.9493866	7	0	7	0	0	0	0	0	0	0	0	2	4	1
18	MIN [MINUTES]	time	71.71233368	8	4	4	2	0	0	0	2	0	0	0	0	0	4
19	TRAVELLED	time	64.57593536	8	8	0	1	6	1	0	0	0	0	0	0	0	0
20	TIMES	time	61.90016556	9	2	7	1	0	1	0	0	0	0	0	0	1	6
21	LEAVE	time	61.4052887	7	0	7	0	0	0	0	0	0	0	0	2	1	4
22	SAME	time	58.56028748	11	11	0	1	0	0	0	10	0	0	0	0	0	0
23	ARRIVE	time	55.40682983	5	0	5	0	0	0	0	0	0	0	0	2	3	0
24	TAKES	time	53.43932724	6	1	5	0	0	1	0	0	0	0	5	0	0	0
25	IMAGE	time	53.0547905	10	0	10	0	0	0	0	0	0	6	0	1	1	2
26	REQUIRED	time	51.84253311	7	4	3	0	3	0	1	0	0	0	2	1	0	0
27	TERMS	time	49.67964554	10	8	2	1	6	0	1	0	0	0	2	0	0	0
28	TRAVEL	time	48.85654449	6	0	6	0	0	0	0	0	0	0	1	4	1	0
29	SPENT	time	38.55064774	5	1	4	0	1	0	0	0	0	2	1	0	0	1
30	MAXIMUM	time	37.03722763	6	1	5	0	0	1	0	0	0	0	0	3	0	2
31	AGE	time	36.84059525	6	2	4	1	1	0	0	0	0	0	3	0	1	0
32	SHOWS	time	36.08583069	6	6	0	1	2	0	3	0	0	0	0	0	0	0
33	TRAIN	time	35.72481918	5	1	4	0	0	1	0	0	0	0	0	2	1	1
34	INTERVAL	time	35.09110641	5	2	3	1	0	0	0	1	0	3	0	0	0	0
35	NUMBER	time	31.84011459	11	2	9	2	0	0	0	0	0	0	3	3	3	0

36	ESTIMATE	time	29.96395111	5	5	0	0	4	0	1	0	0	0	0	0	0	0
37	FIND	time	27.04229164	11	8	3	0	2	1	5	0	0	0	0	0	1	2
38	GIVEN	time	24.7899456	7	6	1	0	2	0	1	3	0	0	0	0	1	0
39	TABLE	time	22.30963516	5	5	0	2	1	0	0	2	0	0	0	0	0	0
40	EXPRESS	time	20.296381	5	4	1	1	0	0	1	2	0	0	0	1	0	0
41	VALUES	time	17.01697159	5	4	1	2	2	0	0	0	0	1	0	0	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	DISTANCE	time	302.6585693	32	19	13	4	2	3	6	4	0	2	5	2	2	2
2	TAKEN	time	297.0124817	30	0	30	0	0	0	0	0	0	30	0	0	0	0
3	VELOCITY	time	226.5041504	25	15	10	0	3	3	2	7	0	0	1	3	3	3
4	GRAPH	time	181.2669525	19	15	4	3	8	3	1	0	0	0	0	1	0	3
5	PUTTING	time	148.6506805	12	8	4	0	0	0	0	8	0	4	0	0	0	0
6	LONG	time	148.085022	18	13	5	0	0	2	0	11	0	0	5	0	0	0
7	HORIZONTAL	time	146.0501862	12	0	12	0	0	0	0	0	0	0	0	6	2	4
8	AGAINST	time	140.7138977	16	15	1	0	0	4	0	11	0	0	0	0	0	1
9	TAKES	time	135.9920654	17	5	12	1	1	1	0	2	0	0	6	1	5	0
10	SECONDS	time	129.3938446	14	2	12	0	0	1	1	0	0	1	5	3	2	1
11	SAME	time	124.0785065	19	18	1	1	0	1	0	16	0	0	0	0	1	0
12	AXIS	time	121.6775436	12	2	10	1	0	0	1	0	0	0	1	0	6	3
13	CHANGE	time	107.6451416	16	12	4	0	4	5	3	0	0	0	1	3	0	0
14	SPEED	time	103.2994614	14	6	8	0	1	1	4	0	0	1	1	1	3	2
15	SHORT	time	89.00727844	9	9	0	0	0	0	0	9	0	0	0	0	0	0
16	TRAVELLED	time	87.49974823	8	8	0	5	1	1	0	1	0	0	0	0	0	0
17	TEMPERATURE	time	83.80389404	15	13	2	1	3	1	8	0	0	0	1	1	0	0
18	ACCELERATION	time	64.25637054	8	5	3	0	3	0	0	2	0	0	1	1	1	0
19	UNIT	time	63.47332382	9	9	0	0	0	0	4	5	0	0	0	0	0	0
20	LENGTH	time	56.6120491	8	8	0	0	2	1	5	0	0	0	0	0	0	0
21	PERIOD	time	53.48538971	7	7	0	0	0	1	6	0	0	0	0	0	0	0

22	MINUTES	time	42.55631256	6	0	6	0	0	0	0	0	0	4	0	2	0	0
23	REPEAT	time	40.27357483	6	6	0	4	2	0	0	0	0	0	0	0	0	0
24	TRAVELS	time	38.36462784	6	5	1	1	0	4	0	0	0	0	0	0	1	0
25	FIND	time	35.59902573	8	7	1	0	0	3	4	0	0	0	0	1	0	0
26	DIRECTION	time	35.28917694	6	3	3	0	1	0	1	1	0	0	0	0	3	0
27	FLAME	time	31.93437004	5	5	0	1	2	0	2	0	0	0	0	0	0	0
28	PER	time	30.54079056	6	4	2	0	0	0	4	0	0	0	0	0	1	1
29	CHANGES	time	25.0006237	5	4	1	0	1	0	3	0	0	0	0	0	1	0
30	RESULTS	time	24.35498238	5	4	1	1	0	1	2	0	0	0	0	0	0	1
31	MASS	time	23.37704659	6	6	0	3	0	2	1	0	0	0	0	0	0	0
32	WORK	time	22.64953995	5	5	0	0	1	2	2	0	0	0	0	0	0	0

9. The most significant collocates of *new* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	YORK	new	347.9440002	26	0	26	0	0	0	0	0	0	25	0	0	1	0
2	BLOUSE	new	83.49027252	7	0	7	0	0	0	0	0	0	7	0	0	0	0
3	LINE	new	40.33719635	8	1	7	0	0	1	0	0	0	6	0	1	0	0
4	LAND	new	40.32568359	5	2	3	0	0	2	0	0	0	3	0	0	0	0
5	PARAGRAPH	new	36.35809708	7	2	5	0	1	1	0	0	0	4	1	0	0	0
6	YEAR	new	35.08634949	7	1	6	0	0	1	0	0	0	5	0	0	1	0
7	LIGHT	new	34.71831131	6	0	6	0	0	0	0	0	0	6	0	0	0	0
8	STUDENT	new	30.47676849	5	0	5	0	0	0	0	0	0	5	0	0	0	0
9	WORDS	new	28.95384598	9	5	4	1	1	1	2	0	0	3	0	1	0	0
10	LOOK	new	25.73098946	7	3	4	2	0	0	1	0	0	1	0	1	0	2
11	SCHOOL	new	24.7958374	7	5	2	1	0	2	2	0	0	2	0	0	0	0
12	WORLD	new	24.7826519	6	0	6	0	0	0	0	0	0	3	0	0	0	3
13	SEE	new	22.60577011	7	4	3	0	2	0	2	0	0	0	0	1	0	2
14	OWN	new	22.16052055	6	3	3	2	0	1	0	0	0	0	0	0	1	2
15	STORY	new	17.97292519	8	4	4	1	2	0	1	0	0	2	0	0	2	0
16	POEM	new	17.91594505	7	0	7	0	0	0	0	0	0	5	0	0	2	0
17	MAKE	new	16.34169769	6	4	2	1	2	0	0	1	0	0	0	1	0	1
18	DON'T	new	15.94914818	5	2	3	1	1	0	0	0	0	0	1	0	2	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TOWNS	new	499.0875244	66	13	53	2	5	1	1	4	0	31	10	5	5	2
2	TOWN	new	294.1584473	44	7	37	2	2	1	2	0	0	31	0	2	3	1
3	TALLAGHT	new	168.459549	19	8	11	0	1	3	4	0	0	1	2	1	5	2
4	SUBURBS	new	147.5282745	19	7	12	1	0	3	2	1	0	8	1	1	1	1
5	BUILT	new	126.7250748	21	2	19	0	0	0	2	0	0	0	1	5	12	1

6	HOUSING	new	116.2575378	17	5	12	1	1	2	1	0	0	9	0	1	0	2
7	YORK	new	101.6668091	9	0	9	0	0	0	0	0	0	9	0	0	0	0
8	CITY	new	98.99090576	22	13	9	2	5	1	3	2	0	0	1	1	2	5
9	INDUSTRIES	new	97.21199799	15	2	13	2	0	0	0	0	0	11	1	1	0	0
10	SHANNON	new	95.88807678	14	10	4	0	1	0	0	9	0	0	1	2	1	0
11	HOUSES	new	91.42480469	15	4	11	1	0	1	1	1	0	8	0	2	1	0
12	ESTATES	new	80.58361816	12	1	11	1	0	0	0	0	0	0	7	0	3	1
13	DEVELOPMENTS	new	79.90673828	8	2	6	0	1	0	1	0	0	3	2	1	0	0
14	CREATED	new	77.24371338	10	2	8	0	0	0	0	2	0	0	0	3	2	3
15	PLANNING	new	68.81390381	9	8	1	2	0	1	3	2	0	0	1	0	0	0
16	INNER	new	68.18747711	11	3	8	1	1	1	0	0	0	1	1	0	4	2
17	PATTERNS	new	66.04374695	10	0	10	0	0	0	0	0	0	0	10	0	0	0
18	ZEALAND	new	65.34894562	5	0	5	0	0	0	0	0	0	5	0	0	0	0
19	TERRITORIES	new	65.34894562	5	0	5	0	0	0	0	0	0	5	0	0	0	0
20	SATELLITE	new	64.66836548	8	0	8	0	0	0	0	0	0	7	0	1	0	0
21	INDUSTRIAL	new	64.0762558	13	2	11	1	1	0	0	0	0	6	0	2	3	0
22	FACTORIES	new	63.15224457	10	2	8	0	0	0	2	0	0	5	1	2	0	0
23	STONE	new	62.60309219	9	2	7	0	1	1	0	0	0	6	1	0	0	0
24	PLANNED	new	58.60865402	9	3	6	0	0	1	0	2	0	3	1	0	1	1
25	MEMBERS	new	58.26691055	6	2	4	0	0	2	0	0	0	0	4	0	0	0
26	EU	new	57.83247375	9	4	5	2	2	0	0	0	0	4	0	0	1	0
27	BUILD	new	57.45695496	9	9	0	0	0	0	7	2	0	0	0	0	0	0
28	ROADS	new	55.3988533	12	5	7	2	0	2	0	1	0	6	0	0	1	0
29	SETTLEMENT	new	54.85673904	13	1	12	0	0	0	1	0	0	9	0	2	1	0
30	VILLAGES	new	52.34396362	9	4	5	0	1	2	0	1	0	1	2	1	0	1
31	CONSTRUCTION	new	50.84973907	7	5	2	0	0	2	3	0	0	0	0	1	0	1
32	BUILDINGS	new	50.68658066	10	2	8	1	0	1	0	0	0	6	1	0	1	0
33	AREAS	new	50.18733978	16	8	8	1	4	2	1	0	0	0	3	0	2	3
34	INDUSTRY	new	49.29212952	11	2	9	0	1	0	1	0	0	5	3	0	1	0
35	PEOPLE	new	49.05220795	17	9	8	4	1	3	1	0	0	0	1	3	3	1

36	HOMES	new	47.72622681	7	1	6	1	0	0	0	0	0	5	0	0	0	1
37	APARTMENTS	new	46.07743454	6	3	3	2	0	0	1	0	0	2	0	1	0	0
38	MACHINES	new	40.84034729	5	0	5	0	0	0	0	0	0	1	3	1	0	0
39	SHOPPING	new	39.45082855	7	1	6	0	0	1	0	0	0	6	0	0	0	0
40	BLOCKS	new	38.96972275	6	2	4	2	0	0	0	0	0	0	2	0	2	0
41	FARMS	new	38.20619202	6	2	4	1	0	0	1	0	0	2	0	1	0	1
42	LAND	new	35.95030975	11	4	7	1	1	0	2	0	0	7	0	0	0	0
43	CENTRES	new	35.63638687	7	2	5	0	0	0	2	0	0	0	2	2	1	0
44	RESIDENTIAL	new	35.42679596	6	0	6	0	0	0	0	0	0	1	0	2	2	1
45	BUSINESS	new	34.58623505	6	2	4	0	0	2	0	0	0	0	3	1	0	0
46	DEVELOPMENT	new	34.18291473	8	4	4	0	1	2	0	1	0	2	1	0	0	1
47	RENEWAL	new	34.06969452	5	2	3	1	0	0	1	0	0	0	0	0	2	1
48	FACTORY	new	33.95000076	7	0	7	0	0	0	0	0	0	4	0	2	0	1
49	CENTRAL	new	33.30899048	6	3	3	0	3	0	0	0	0	1	0	0	1	1
50	IRELAND'S	new	32.83315659	7	4	3	0	0	1	1	2	0	0	0	2	1	0
51	SET	new	32.76510239	5	2	3	0	0	0	2	0	0	0	0	1	2	0
52	JOBS	new	32.72009277	6	1	5	0	1	0	0	0	0	3	0	0	1	1
53	TECHNOLOGY	new	31.43610001	5	0	5	0	0	0	0	0	0	1	1	0	1	2
54	URBAN	new	30.21515274	8	3	5	0	0	1	2	0	0	0	0	2	1	2
55	AGE	new	29.53730392	6	0	6	0	0	0	0	0	0	0	6	0	0	0
56	CAPITAL	new	29.3680172	5	3	2	2	1	0	0	0	0	1	0	1	0	0
57	AREA	new	28.87537956	11	7	4	1	1	1	2	2	0	0	0	0	1	3
58	CENTRE	new	28.64264679	8	1	7	0	0	1	0	0	0	0	6	0	0	1
59	CALLED	new	26.36133957	8	1	7	0	0	1	0	0	0	0	3	3	0	1
60	FEATURES	new	26.23040771	7	2	5	0	1	0	1	0	0	0	0	1	3	1
61	LARGE	new	24.01841927	8	4	4	2	0	0	1	1	0	0	0	0	1	3
62	MANUFACTURING	new	23.55367661	5	1	4	1	0	0	0	0	0	2	2	0	0	0
63	DEVELOPED	new	21.07466316	6	1	5	0	1	0	0	0	0	0	0	2	1	2
64	GRID	new	20.01562691	6	3	3	1	0	2	0	0	0	0	0	2	1	0
65	SITE	new	19.94866943	5	3	2	1	0	2	0	0	0	1	0	0	1	0

66	PART	new	19.39204597	5	3	2	0	1	2	0	0	0	0	0	1	1	0
67	CO [COUNTY]	new	18.23876572	6	0	6	0	0	0	0	0	0	0	0	2	0	4
68	MAP	new	18.00866508	9	2	7	1	0	1	0	0	0	0	0	5	1	1
69	GROWTH	new	17.57969284	5	1	4	0	0	0	1	0	0	1	0	1	1	1
70	WEST	new	15.37322998	5	2	3	2	0	0	0	0	0	0	0	0	1	2

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	TOWNS	new	195.3434296	29	8	21	3	2	1	2	0	0	17	2	0	2	0
2	WORLD	new	162.5675659	32	3	29	1	2	0	0	0	0	26	0	0	0	3
3	CALLED	new	149.2003479	29	5	24	1	1	1	1	1	0	0	11	5	6	2
4	BUILT	new	139.7027435	25	8	17	1	0	2	3	2	0	0	1	11	3	2
5	YORK	new	122.3926468	12	0	12	0	0	0	0	0	0	12	0	0	0	0
6	PARTY	new	113.1056061	21	2	19	0	0	2	0	0	0	8	10	1	0	0
7	LANDS	new	112.7443542	16	3	13	0	0	2	0	1	0	12	0	1	0	0
8	IDEAS	new	110.6112671	17	3	14	1	0	2	0	0	0	11	3	0	0	0
9	ORDERS	new	101.9082336	13	0	13	0	0	0	0	0	0	7	6	0	0	0
10	CONSTITUTION	new	101.3015366	14	1	13	0	1	0	0	0	0	12	1	0	0	0
11	ROUTES	new	100.5702133	11	0	11	0	0	0	0	0	0	4	7	0	0	0
12	INTRODUCED	new	100.2910309	14	8	6	0	1	0	3	4	0	0	2	2	2	0
13	GOVERNMENT	new	90.6307373	25	6	19	0	1	3	2	0	0	11	4	2	0	2
14	INDUSTRIES	new	88.73324585	12	2	10	2	0	0	0	0	0	8	1	0	0	1
15	BROUGHT	new	75.74118805	13	10	3	1	1	0	3	5	0	0	1	1	1	0
16	METHODS	new	71.90784454	10	0	10	0	0	0	0	0	0	7	3	0	0	0
17	HOUSING	new	69.09342194	10	0	10	0	0	0	0	0	0	8	0	1	1	0
18	TECHNOLOGY	new	67.10607147	7	2	5	0	1	0	1	0	0	4	0	0	1	0
19	DISCOVERED	new	65.63391876	10	6	4	0	0	0	6	0	0	0	0	3	1	0
20	NAME	new	62.78904343	14	9	5	0	1	1	7	0	0	3	1	0	1	0
21	STONE	new	61.59141159	13	3	10	2	0	1	0	0	0	9	0	1	0	0
22	CREATED	new	61.51286697	9	7	2	0	1	0	5	1	0	0	0	2	0	0

23	FOUNDED	new	61.48040009	10	5	5	0	0	0	5	0	0	0	0	3	1	1
24	POLICY	new	60.31969833	11	0	11	0	0	0	0	0	0	5	4	1	0	1
25	INVENTIONS	new	59.41952515	7	0	7	0	0	0	0	0	0	6	1	0	0	0
26	TYPES	new	58.259552	8	1	7	0	1	0	0	0	0	7	0	0	0	0
27	AGE	new	57.55751038	13	3	10	0	1	0	2	0	0	0	8	0	1	1
28	FACTORIES	new	57.29574966	9	1	8	1	0	0	0	0	0	7	1	0	0	0
29	FARMING	new	56.43574905	9	1	8	0	0	0	0	1	0	4	0	2	1	1
30	NEOLITHIC	new	55.96506119	8	7	1	0	0	1	3	3	0	0	1	0	0	0
31	SHIPS	new	55.94594193	11	3	8	0	0	0	1	2	0	4	0	4	0	0
32	TECHNIQUES	new	55.14516068	6	0	6	0	0	0	0	0	0	5	1	0	0	0
33	RELIGIOUS	new	53.15238571	10	0	10	0	0	0	0	0	0	10	0	0	0	0
34	STATE	new	53.05185318	12	0	12	0	0	0	0	0	0	9	0	2	0	1
35	IRELAND	new	51.93649292	22	6	16	2	1	2	1	0	0	3	1	3	5	4
36	HEIREANN	new	51.20786285	5	1	4	0	0	1	0	0	0	0	0	0	2	2
37	FOODS	new	51.20786285	5	0	5	0	0	0	0	0	0	3	0	2	0	0
38	BUNREACHT	new	51.20786285	5	1	4	1	0	0	0	0	0	0	2	2	0	0
39	MACHINES	new	50.92221832	7	1	6	0	0	1	0	0	0	4	0	0	0	2
40	POLITICAL	new	49.36272812	12	0	12	0	0	0	0	0	0	9	2	1	0	0
41	SET	new	48.96705246	12	5	7	1	1	2	1	0	0	0	0	3	1	3
42	AMERICA	new	48.05167389	10	2	8	0	1	1	0	0	0	0	0	4	2	2
43	EMERGED	new	46.26377869	5	0	5	0	0	0	0	0	0	0	1	3	1	0
44	SEA	new	45.65613556	8	1	7	1	0	0	0	0	0	7	0	0	0	0
45	FIND	new	45.19329071	8	8	0	0	0	0	2	6	0	0	0	0	0	0
46	EXPLORERS	new	44.68946075	6	4	2	1	1	2	0	0	0	0	0	1	0	1
47	CONTINENT	new	44.68946075	6	0	6	0	0	0	0	0	0	6	0	0	0	0
48	INVENTED	new	44.34744263	7	1	6	0	0	0	1	0	0	0	0	2	2	2
49	DEVELOPED	new	44.16490173	8	2	6	0	1	0	0	1	0	0	0	2	0	4
50	FORMED	new	43.60695648	8	5	3	1	0	0	4	0	0	0	1	1	1	0
51	HELPED	new	43.33547211	8	6	2	0	5	1	0	0	0	0	0	2	0	0
52	ULSTER	new	43.29158783	9	2	7	2	0	0	0	0	0	0	1	3	2	1
53	ECONOMIC	new	43.19445038	9	3	6	0	2	0	1	0	0	4	0	0	0	2

54	DISCOVER	new	43.00375366	5	2	3	0	0	0	1	1	0	0	0	2	0	1
55	SHEEP	new	42.26417923	6	3	3	0	0	1	1	1	0	0	0	0	1	2
56	HOPED	new	41.07473755	6	4	2	1	0	3	0	0	0	0	1	1	0	0
57	STYLE	new	40.79535675	6	1	5	0	1	0	0	0	0	5	0	0	0	0
58	SYSTEM	new	40.51964951	8	2	6	2	0	0	0	0	0	5	1	0	0	0
59	PLANTERS	new	39.49070358	6	3	3	0	1	0	2	0	0	3	0	0	0	0
60	SETTLERS	new	39.24641418	6	2	4	1	0	1	0	0	0	3	0	1	0	0
61	SOCIETY	new	38.63287354	8	4	4	1	1	1	1	0	0	0	2	2	0	0
62	IRELAND'S	new	37.90803909	7	4	3	2	0	0	0	2	0	0	0	0	1	2
63	URBAN	new	36.65659332	6	2	4	1	0	0	1	0	0	1	1	1	0	1
64	TOWN	new	36.02949905	7	3	4	0	2	1	0	0	0	4	0	0	0	0
65	SPAIN	new	35.79803085	7	1	6	0	1	0	0	0	0	3	0	2	1	0
66	ESTATES	new	35.57055283	7	1	6	0	0	0	1	0	0	0	6	0	0	0
67	MACHINERY	new	35.26475143	5	1	4	0	0	0	0	1	0	2	0	1	1	0
68	LEMASS	new	35.20440292	6	4	2	1	1	1	1	0	0	0	0	0	0	2
69	PROMISED	new	35.20440292	6	2	4	1	0	1	0	0	0	0	2	0	0	2
70	PEOPLE	new	35.19052505	17	9	8	1	3	3	2	0	0	2	0	3	1	2
71	SPREAD	new	33.97942352	7	3	4	1	0	0	2	0	0	0	2	1	1	0
72	BEGAN	new	33.45111847	8	4	4	0	2	1	1	0	0	0	1	0	1	2
73	WANTED	new	33.3132019	8	6	2	0	0	4	0	2	0	0	1	0	0	1
74	SCHOOLS	new	33.17689514	6	1	5	0	1	0	0	0	0	4	0	1	0	0
75	CLASS	new	32.3498764	6	0	6	0	0	0	0	0	0	0	6	0	0	0
76	KINGDOM	new	32.30292892	5	0	5	0	0	0	0	0	0	4	0	0	1	0
77	CATTLE	new	32.2176857	6	3	3	1	1	1	0	0	0	0	0	1	1	1
78	KNOWLEDGE	new	32.07356262	5	3	2	0	1	2	0	0	0	2	0	0	0	0
79	GOODS	new	31.95782661	6	2	4	0	0	1	1	0	0	2	0	0	2	0
80	ORDER	new	30.39988899	6	1	5	0	1	0	0	0	0	1	4	0	0	0
81	EUROPE	new	30.05739784	9	3	6	1	0	1	1	0	0	0	0	2	2	2
82	LEADERS	new	29.97210884	7	0	7	0	0	0	0	0	0	5	1	1	0	0
83	CHURCHES	new	29.85525322	5	2	3	0	1	1	0	0	0	1	2	0	0	0
84	LED	new	29.63889885	8	1	7	1	0	0	0	0	0	0	4	2	0	1

85	DEVELOPMENTS	new	29.33249855	6	0	6	0	0	0	0	0	0	4	0	1	1	0
86	MEMBERS	new	29.32917976	7	1	6	0	0	1	0	0	0	5	0	0	1	0
87	FARMERS	new	29.1906147	7	3	4	1	0	1	1	0	0	0	0	1	2	1
88	TELEVISION	new	29.16037941	5	4	1	2	0	1	1	0	0	0	1	0	0	0
89	BUILDING	new	29.13066483	6	5	1	0	0	1	3	1	0	0	0	1	0	0
90	TRANSPORT	new	28.93240356	6	1	5	1	0	0	0	0	0	3	0	2	0	0
91	WEALTH	new	28.83094025	5	2	3	0	1	1	0	0	0	1	0	1	0	1
92	PRINTING	new	27.47458267	5	1	4	0	0	1	0	0	0	0	1	3	0	0
93	WEAPONS	new	26.7125206	6	0	6	0	0	0	0	0	0	4	1	1	0	0
94	ENGLISH	new	25.77261162	7	2	5	1	1	0	0	0	0	2	0	1	1	1
95	GAVE	new	25.71319962	6	4	2	0	1	1	0	2	0	0	1	0	0	1
96	ART	new	25.68720245	5	2	3	1	0	0	0	1	0	0	0	2	0	1
97	IRISH	new	25.56842232	12	5	7	0	1	2	1	1	0	5	0	0	1	1
98	PROTESTANT	new	25.21061516	6	1	5	0	0	1	0	0	0	3	0	1	0	1
99	BC	new	25.01386642	5	5	0	0	1	1	1	2	0	0	0	0	0	0
100	JOBS	new	24.90618896	5	1	4	0	1	0	0	0	0	2	0	0	0	2
101	RENAISSANCE	new	24.62217903	7	5	2	0	1	1	1	2	0	1	0	0	1	0
102	BECAME	new	24.1242466	9	7	2	0	1	0	6	0	0	0	1	0	0	1
103	HOUSES	new	24.06242943	7	1	6	0	0	1	0	0	0	6	0	0	0	0
104	NAMED	new	23.98905945	5	1	4	0	0	0	0	1	0	0	2	1	1	0
105	TRADE	new	23.40498924	6	1	5	0	0	0	0	1	0	2	1	0	1	1
106	CONTINUED	new	23.33329582	5	3	2	2	0	1	0	0	0	0	1	0	0	1
107	PRIME	new	23.33329582	5	0	5	0	0	0	0	0	0	4	1	0	0	0
108	DUBLIN	new	23.26860809	7	4	3	1	2	0	0	1	0	0	1	0	1	1
109	FREE	new	22.7710495	6	3	3	1	0	0	2	0	0	0	2	0	1	0
110	PROVIDED	new	22.55307198	5	3	2	0	0	0	2	1	0	0	1	0	0	1
111	BRITAIN	new	22.41411591	8	2	6	0	0	1	0	1	0	0	1	1	3	1
112	GIVEN	new	20.95503998	5	4	1	1	2	0	0	1	0	0	0	1	0	0
113	MADE	new	20.91467667	8	2	6	0	2	0	0	0	0	0	3	1	0	2
114	USED	new	20.21334648	8	7	1	3	0	0	3	1	0	0	0	0	0	1
115	PRESIDENT	new	20.09025574	5	1	4	0	0	1	0	0	0	3	0	0	1	0

116	CENTURY	new	19.59562111	9	9	0	0	1	2	6	0	0	0	0	0	0	0
117	VALERA	new	19.30139732	5	5	0	1	1	3	0	0	0	0	0	0	0	0
118	INDUSTRIAL	new	19.12884331	5	1	4	0	1	0	0	0	0	3	0	1	0	0
119	COUNTRIES	new	19.00486755	6	1	5	0	0	1	0	0	0	3	0	1	0	1
120	LAW	new	18.63044357	5	0	5	0	0	0	0	0	0	1	3	0	0	1
121	MINISTER	new	18.63044357	5	0	5	0	0	0	0	0	0	0	4	1	0	0
122	STATES	new	18.47036552	5	0	5	0	0	0	0	0	0	4	0	0	0	1
123	CAME	new	18.10779953	5	1	4	1	0	0	0	0	0	0	3	1	0	0
124	PLANTATION	new	17.37806892	5	0	5	0	0	0	0	0	0	1	0	1	1	2
125	LEADER	new	17.37806892	5	0	5	0	0	0	0	0	0	4	0	0	1	0
126	OWN	new	16.92358971	5	2	3	0	1	1	0	0	0	0	0	0	3	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LAWS	new	282.2744	31	4	27	2	0	0	2	0	0	23	1	1	2	0
2	SUBJECT	new	220.6068	20	10	10	0	0	0	10	0	0	10	0	0	0	0
3	YORK	new	204.53	15	0	15	0	0	0	0	0	0	15	0	0	0	0
4	SKILLS	new	68.36817	9	2	7	0	1	0	1	0	0	5	1	0	1	0
5	SCHOOL	new	62.37249	13	3	10	1	0	1	1	0	0	7	0	1	1	1
6	PROPOSALS	new	56.48669	6	5	1	0	0	0	5	0	0	0	0	0	0	1
7	FRIENDS	new	55.41774	7	2	5	0	0	1	1	0	0	4	0	0	1	0
8	TEACHERS	new	51.17376	6	3	3	2	0	0	1	0	0	2	0	0	1	0
9	EU	new	45.78942	9	5	4	5	0	0	0	0	0	2	0	1	1	0
10	COMMISSION	new	42.69004	6	3	3	1	1	0	1	0	0	1	1	0	0	1
11	BUILDING	new	34.94803	5	4	1	1	0	1	1	1	0	0	0	1	0	0
12	JOB	new	29.30895	5	1	4	0	1	0	0	0	0	3	0	1	0	0
13	LAW	new	27.42876	6	3	3	1	2	0	0	0	0	1	1	1	0	0
14	UN	new	24.50652	5	3	2	0	0	2	1	0	0	0	0	1	0	1
15	MEMBER	new	22.65558	5	1	4	0	0	1	0	0	0	3	0	0	0	1
16	EUROPEAN	new	21.61687	6	3	3	1	1	1	0	0	0	3	0	0	0	0

17	COMMUNITY	new	20.9124	7	2	5	0	0	1	1	0	0	2	0	0	3	0
18	INFORMATION	new	20.62471	5	1	4	0	1	0	0	0	0	3	0	1	0	0
19	HELP	new	20.45298	5	3	2	1	1	0	1	0	0	0	1	1	0	0
20	TAKE	new	19.44802	5	3	2	2	0	0	1	0	0	0	1	0	0	1
21	MAKE	new	16.47505	5	3	2	0	1	1	0	1	0	0	0	0	2	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SITUATION	new	140.9055176	10	3	7	0	0	2	0	1	0	7	0	0	0	0
2	PRINCIPAL	new	115.1705093	9	3	6	0	3	0	0	0	0	6	0	0	0	0
3	PRICE	new	72.05453491	8	0	8	0	0	0	0	0	0	5	1	1	0	1
4	LEVEL	new	53.42412567	5	1	4	0	0	0	1	0	0	3	0	0	1	0
5	TOTAL	new	47.80634689	6	3	3	0	3	0	0	0	0	0	2	0	0	1
6	PAID	new	45.18186569	5	3	2	0	0	0	3	0	0	0	0	0	2	0
7	MONEY	new	42.90400314	5	3	2	0	0	3	0	0	0	0	0	2	0	0
8	YEAR	new	41.75606155	6	2	4	0	0	2	0	0	0	2	0	0	0	2

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FORMED	new	184.8927307	20	2	18	1	1	0	0	0	0	0	4	9	4	1
2	SUBSTANCE	new	153.061264	18	1	17	0	0	0	1	0	0	17	0	0	0	0
3	CHANGE	new	86.35273743	11	9	2	1	2	1	5	0	0	0	0	0	1	1
4	FORM	new	74.44960022	11	10	1	1	0	0	4	5	0	0	0	1	0	0
5	SEED	new	71.06005859	8	8	0	2	0	6	0	0	0	0	0	0	0	0
6	PLANT	new	67.57694244	11	0	11	0	0	0	0	0	0	11	0	0	0	0
7	GROWTH	new	65.72551727	8	3	5	0	1	0	2	0	0	4	0	0	1	0
8	PHYSICAL	new	59.55968475	6	6	0	1	1	4	0	0	0	0	0	0	0	0
9	CALLED	new	54.31840897	10	1	9	0	1	0	0	0	0	1	4	3	0	1
10	PLANTS	new	48.22659683	9	1	8	1	0	0	0	0	0	7	1	0	0	0
11	SUBSTANCES	new	47.41136169	7	1	6	1	0	0	0	0	0	6	0	0	0	0

12	READ	new	44.05827713	5	5	0	0	0	0	5	0	0	0	0	0	0	0
13	VOLUME	new	38.29578018	6	0	6	0	0	0	0	0	0	6	0	0	0	0
14	PROPERTIES	new	36.96274185	5	0	5	0	0	0	0	0	0	2	0	1	0	2
15	TAKES	new	36.56312561	5	5	0	0	1	3	1	0	0	0	0	0	0	0
16	COMPOUND	new	36.56312561	5	2	3	0	2	0	0	0	0	3	0	0	0	0
17	CELLS	new	32.47911453	6	3	3	1	2	0	0	0	0	3	0	0	0	0
18	CHEMICAL	new	27.02248573	5	4	1	0	2	2	0	0	0	0	0	1	0	0

10. The most significant collocates of *make* in the six textbooks corpora

English textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SURE	make	313.8335266	32	0	32	0	0	0	0	0	0	32	0	0	0	0
2	POINTS	make	161.0953979	22	17	5	2	0	0	15	0	0	1	1	0	2	1
3	COSTUME	make	134.7416534	14	11	3	2	3	3	3	0	0	0	0	0	1	2
4	THINK	make	107.6749115	24	9	15	3	2	2	2	0	0	0	11	0	3	1
5	SENSE	make	104.5256119	14	0	14	0	0	0	0	0	0	13	0	0	1	0
6	READER	make	101.6107254	15	3	12	0	0	2	1	0	0	0	10	0	0	2
7	LIST	make	92.95953369	13	0	13	0	0	0	0	0	0	0	12	1	0	0
8	SPEECH	make	91.53379822	14	6	8	0	0	6	0	0	0	1	4	2	0	1
9	HAIR	make	90.4058075	13	12	1	0	0	0	9	3	0	0	1	0	0	0
10	STORY	make	89.06916809	23	11	12	6	2	1	1	1	0	0	6	3	2	1
11	POINT	make	87.1712265	15	4	11	3	0	0	1	0	0	0	6	5	0	0
12	WANT	make	80.78790283	14	5	9	0	1	0	4	0	0	0	4	4	1	0
13	FEEL	make	80.04071045	13	3	10	1	0	1	1	0	0	0	8	1	1	0
14	USE	make	79.95940399	17	7	10	2	3	1	1	0	0	7	1	1	0	1
15	CLEAR	make	75.86345673	12	1	11	0	0	1	0	0	0	5	3	3	0	0
16	WORDS	make	75.63993835	18	11	7	0	6	1	4	0	0	0	1	0	2	4
17	CHOICE	make	75.55806732	10	6	4	0	0	0	6	0	0	0	3	1	0	0
18	ARTISTS	make	75.22158051	7	0	7	0	0	0	0	0	0	0	7	0	0	0
19	WRITER	make	67.07980347	13	12	1	0	0	3	2	7	0	0	0	0	0	1
20	OWN	make	63.07710648	13	1	12	0	0	1	0	0	0	0	3	8	1	0
21	SUPPORT	make	60.87511063	9	7	2	1	5	1	0	0	0	0	0	0	1	1
22	HELPS	make	56.13754272	7	5	2	0	0	1	4	0	0	0	1	0	0	1
23	LAUGH	make	54.01659012	7	2	5	0	0	0	2	0	0	0	5	0	0	0
24	SENTENCES	make	51.35456467	9	4	5	0	0	1	2	1	0	1	3	0	0	1
25	SOUND	make	50.16477585	10	0	10	0	0	0	0	0	0	0	7	2	0	1
26	IMPRESSION	make	50.05929565	7	1	6	0	1	0	0	0	0	0	0	6	0	0

27	EASY	make	47.19039536	7	2	5	1	0	0	1	0	0	0	1	1	0	3
28	TRYING	make	46.04560089	7	7	0	0	0	0	7	0	0	0	0	0	0	0
29	SEEM	make	45.16007996	7	1	6	0	1	0	0	0	0	0	3	2	1	0
30	MINDS	make	44.06443787	5	0	5	0	0	0	0	0	0	0	0	3	2	0
31	ORDER	make	43.2444725	7	6	1	1	0	0	5	0	0	0	0	0	1	0
32	USING	make	41.81491089	8	4	4	2	1	1	0	0	0	0	3	0	0	1
33	WORLD	make	41.15882111	9	4	5	0	1	2	1	0	0	0	4	0	0	1
34	BETTER	make	40.43290329	7	2	5	0	0	1	0	1	0	0	4	1	0	0
35	DIFFERENCE	make	40.30209351	5	0	5	0	0	0	0	0	0	0	3	0	2	0
36	READERS	make	38.94766998	7	4	3	1	0	1	2	0	0	1	2	0	0	0
37	FOLLOWING	make	38.68090057	10	1	9	1	0	0	0	0	0	0	1	2	4	2
38	ADJECTIVES	make	38.51963425	5	1	4	0	0	0	1	0	0	1	1	0	0	2
39	AUDIENCE	make	36.85087204	7	3	4	3	0	0	0	0	0	0	0	2	0	2
40	HOME	make	36.65808487	8	2	6	0	1	0	1	0	0	0	1	4	0	1
41	CLOTHES	make	36.51659775	6	4	2	0	0	2	1	1	0	0	1	1	0	0
42	WRITING	make	35.70451736	10	1	9	1	0	0	0	0	0	0	5	3	0	1
43	MAIN	make	34.9606514	7	6	1	0	0	6	0	0	0	0	0	1	0	0
44	STATEMENT	make	34.7720871	5	0	5	0	0	0	0	0	0	0	4	0	0	1
45	READ	make	34.67667007	10	1	9	0	1	0	0	0	0	0	1	1	5	2
46	POEM	make	33.61418152	11	3	8	0	1	0	1	1	0	0	2	1	4	1
47	STRONG	make	33.52937317	6	0	6	0	0	0	0	0	0	0	4	1	0	1
48	PLAN	make	31.73931122	5	2	3	0	0	1	1	0	0	0	1	1	1	0
49	GOOD	make	29.79474831	9	3	6	1	0	1	1	0	0	3	2	0	0	1
50	THINGS	make	29.07513618	7	0	7	0	0	0	0	0	0	1	0	1	5	0
51	FUNNY	make	28.57513046	5	1	4	0	0	1	0	0	0	0	0	3	1	0
52	SHORT	make	27.06160164	7	4	3	0	3	0	1	0	0	1	1	0	0	1
53	IMAGES	make	26.38524437	5	3	2	0	0	0	2	1	0	1	0	0	0	1
54	EVIDENCE	make	26.38524437	5	4	1	3	0	0	1	0	0	0	0	0	1	0
55	PHRASES	make	26.10987663	5	5	0	2	0	0	3	0	0	0	0	0	0	0
56	AGAINST	make	24.76334381	5	1	4	1	0	0	0	0	0	0	0	4	0	0

57	TRY	make	24.30433083	5	5	0	0	0	0	5	0	0	0	0	0	0	0
58	OPENING	make	23.93832397	5	3	2	0	1	0	1	1	0	1	0	0	0	1
59	INTERESTING	make	23.58615303	5	0	5	0	0	0	0	0	0	0	1	3	0	1
60	CHARACTERS	make	23.41784477	7	1	6	0	1	0	0	0	0	0	1	0	3	2
61	LOOK	make	23.35375595	7	0	7	0	0	0	0	0	0	0	6	0	0	1
62	SMALL	make	22.35804749	5	3	2	0	2	0	1	0	0	0	2	0	0	0
63	WRITE	make	21.66486931	9	6	3	2	1	1	2	0	0	0	0	0	1	2
64	WAY	make	21.54839706	7	1	6	0	0	1	0	0	0	1	4	0	0	1
65	WELL	make	21.41197586	7	5	2	0	2	1	1	1	0	0	0	0	2	0
66	PICTURE	make	19.52064896	5	2	3	0	0	2	0	0	0	0	0	2	1	0
67	POET	make	19.00469017	5	5	0	0	2	2	1	0	0	0	0	0	0	0
68	IMPORTANT	make	18.8391552	5	1	4	0	0	0	0	1	0	0	2	0	1	1
69	PEOPLE	make	18.05047607	7	2	5	0	1	0	0	1	0	1	2	0	0	2
70	SCENE	make	17.58060455	5	0	5	0	0	0	0	0	0	0	4	0	0	1
71	USED	make	16.38809204	5	5	0	2	0	1	2	0	0	0	0	0	0	0
72	NEW	make	16.34169769	6	2	4	1	0	1	0	0	0	1	0	0	2	1
73	JUST	make	16.16634941	6	6	0	0	0	0	2	4	0	0	0	0	0	0
74	LIKE	make	16.00279236	8	2	6	0	1	1	0	0	0	0	2	3	1	0
75	SEE	make	15.7000742	6	1	5	0	0	0	1	0	0	0	3	2	0	0

Geography textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	USED	make	131.3895	18	15	3	0	2	1	12	0	0	0	0	1	1	1
2	SOIL	make	112.3062	17	2	15	0	1	0	1	0	0	4	7	4	0	0
3	SURE	make	104.9641	8	0	8	0	0	0	0	0	0	8	0	0	0	0
4	FERTILE	make	93.05468	10	0	10	0	0	0	0	0	0	0	3	5	2	0
5	HELP	make	76.27139	10	10	0	1	0	0	7	2	0	0	0	0	0	0
6	USE	make	62.44755	11	9	2	3	1	4	1	0	0	1	1	0	0	0
7	DROPLETS	make	56.82468	5	5	0	0	0	0	4	1	0	0	0	0	0	0
8	PEOPLE	make	54.74987	13	12	1	2	2	1	2	5	0	0	0	1	0	0

9	LIVING	make	49.93047	7	1	6	0	0	0	0	1	0	0	6	0	0	0
10	PRODUCTS	make	42.69144	6	1	5	0	0	0	1	0	0	0	2	2	0	1
11	DIFFICULT	make	42.6046	5	0	5	0	0	0	0	0	0	0	0	3	1	1
12	CLOUD	make	39.10998	5	0	5	0	0	0	0	0	0	0	5	0	0	0
13	AREA	make	36.50111	9	3	6	0	1	1	0	1	0	0	4	0	0	2
14	TOGETHER	make	34.40681	5	4	1	0	0	0	3	1	0	0	0	0	1	0
15	BUILDING	make	32.28657	5	1	4	0	1	0	0	0	0	1	2	0	1	0
16	LIMESTONE	make	31.5123	5	4	1	1	0	1	2	0	0	0	0	0	1	0
17	ROAD	make	27.70555	5	2	3	0	0	0	2	0	0	2	0	0	0	1
18	WEATHER	make	26.96127	5	0	5	0	0	0	0	0	0	2	0	2	0	1
19	PER	make	22.83335	5	0	5	0	0	0	0	0	0	0	0	2	1	2

History textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LAWS	make	175.9881897	19	0	19	0	0	0	0	0	0	14	2	2	1	0
2	USED	make	103.0245667	17	17	0	3	1	1	12	0	0	0	0	0	0	0
3	TOOLS	make	86.86675262	9	0	9	0	0	0	0	0	0	3	1	3	2	0
4	OWN	make	77.54920959	11	3	8	1	0	2	0	0	0	0	8	0	0	0
5	WEAPONS	make	66.52801514	9	0	9	0	0	0	0	0	0	2	2	3	2	0
6	MOULDS	make	61.96811295	5	5	0	0	0	0	5	0	0	0	0	0	0	0
7	EASIER	make	58.78905106	6	0	6	0	0	0	0	0	0	0	3	2	0	1
8	IRELAND	make	54.53723907	15	5	10	2	1	2	0	0	0	2	5	3	0	0
9	SURE	make	53.07363129	5	0	5	0	0	0	0	0	0	5	0	0	0	0
10	BREAD	make	49.86328888	6	1	5	0	1	0	0	0	0	4	0	1	0	0
11	IRON	make	45.8651886	7	1	6	0	0	1	0	0	0	4	1	0	1	0
12	BARLEY	make	45.05973053	5	4	1	1	2	0	1	0	0	0	0	0	0	1
13	USE	make	41.52772522	7	4	3	0	2	1	1	0	0	1	1	1	0	0
14	WANTED	make	34.09388351	6	5	1	0	0	0	5	0	0	0	0	0	1	0
15	PARLIAMENT	make	32.61414337	6	4	2	0	2	0	2	0	0	0	0	1	0	1

16	BRONZE	make	32.56390762	5	2	3	0	1	1	0	0	0	3	0	0	0	0
17	POWER	make	30.05608559	6	5	1	1	1	0	3	0	0	0	0	0	1	0
18	PEOPLE	make	25.55352211	9	2	7	0	0	1	1	0	0	1	1	2	1	2
19	HITLER	make	21.8353672	5	5	0	0	0	1	1	3	0	0	0	0	0	0
20	GREAT	make	20.29673576	5	0	5	0	0	0	0	0	0	0	2	1	0	2
21	BRITISH	make	15.81468868	5	4	1	1	0	3	0	0	0	0	0	1	0	0

CSPE textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SURE	make	647.4788208	59	1	58	0	1	0	0	0	0	58	0	0	0	0
2	DIFFERENCE	make	115.4610596	12	0	12	0	0	0	0	0	0	0	9	3	0	0
3	LIST	make	114.0937347	17	0	17	0	0	0	0	0	0	0	15	2	0	0
4	HISTORY	make	108.7525482	11	1	10	1	0	0	0	0	0	0	9	0	0	1
5	LAWS	make	100.9368668	15	2	13	0	0	1	1	0	0	5	2	2	2	2
6	POSTERS	make	86.90935516	11	1	10	0	1	0	0	0	0	8	1	1	0	0
7	POVERTY	make	78.56142426	11	0	11	0	0	0	0	0	0	9	0	0	2	0
8	TEAM	make	72.60341644	10	4	6	1	0	2	1	0	0	0	4	1	1	0
9	CHANGES	make	59.23324203	8	2	6	0	1	0	1	0	0	2	1	1	1	1
10	BETTER	make	58.13780594	9	1	8	0	1	0	0	0	0	0	3	4	1	0
11	INFORMATION	make	54.92474365	11	6	5	0	4	2	0	0	0	0	2	0	3	0
12	DECISIONS	make	52.13485718	8	0	8	0	0	0	0	0	0	8	0	0	0	0
13	PEOPLE	make	51.61781693	19	11	8	3	2	1	4	1	0	5	0	2	0	1
14	LEAFLETS	make	51.53426743	6	1	5	0	0	0	1	0	0	0	0	4	0	1
15	POWER	make	44.64527512	7	5	2	0	0	1	4	0	0	0	0	1	1	0
16	LEAFLET	make	43.55654526	6	2	4	0	2	0	0	0	0	0	2	2	0	0
17	QUESTIONS	make	39.51067734	9	2	7	1	0	0	1	0	0	0	1	1	1	4
18	DECISION	make	36.00078964	6	3	3	0	0	3	0	0	0	0	2	1	0	0
19	RIGHTS	make	35.07214355	11	2	9	0	1	1	0	0	0	0	2	2	3	2
20	CAMPAIGN	make	32.07251358	7	1	6	1	0	0	0	0	0	0	0	3	3	0
21	LIVING	make	31.24420166	6	0	6	0	0	0	0	0	0	1	5	0	0	0

22	FEEL	make	29.46759605	5	1	4	0	0	0	1	0	0	0	2	1	1	0
23	DAY	make	29.37486076	8	6	2	2	1	1	2	0	0	0	0	0	2	0
24	CHANGE	make	27.2050724	5	4	1	1	1	1	1	0	0	0	0	1	0	0
25	BOOK	make	26.02290726	5	4	1	0	0	1	0	3	0	0	0	0	1	0
26	SCHOOL	make	25.32589149	8	2	6	0	2	0	0	0	0	1	4	0	0	1
27	EXPLAIN	make	24.97232437	5	0	5	0	0	0	0	0	0	0	0	0	5	0
28	ENVIRONMENT	make	24.70021057	6	1	5	0	1	0	0	0	0	0	0	2	1	2
29	GROUP	make	24.42680168	7	5	2	0	1	0	3	1	0	0	0	0	2	0
30	GO	make	22.38469505	5	1	4	0	1	0	0	0	0	0	0	2	0	2
31	COMMITTEE	make	21.45504379	5	5	0	0	0	0	4	1	0	0	0	0	0	0
32	WAY	make	20.24703407	5	4	1	0	0	1	3	0	0	1	0	0	0	0
33	PLACE	make	20.01205444	5	1	4	1	0	0	0	0	0	0	1	0	2	1
34	PERSON	make	18.42279434	5	4	1	0	0	0	4	0	0	0	0	0	1	0
35	NEW	make	16.47504997	5	2	3	0	2	0	0	0	0	1	0	1	1	0
36	HUMAN	make	15.41985416	5	1	4	0	1	0	0	0	0	2	2	0	0	0

Mathematics textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SURE	make	270.25	17	0	17	0	0	0	0	0	0	17	0	0	0	0
2	TRUE	make	68.02025	6	0	6	0	0	0	0	0	0	0	0	6	0	0
3	COEFFICIENTS	make	63.04969	5	0	5	0	0	0	0	0	0	3	2	0	0	0
4	TERM	make	37.85915	5	2	3	0	0	2	0	0	0	0	0	3	0	0
5	VALUES	make	37.73602	6	4	2	0	4	0	0	0	0	0	1	0	1	0
6	SIDES	make	36.55189	6	3	3	0	2	0	0	1	0	0	1	2	0	0

Science textbooks corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SURE	make	309.3994141	27	0	27	0	0	0	0	0	0	27	0	0	0	0
2	OWN	make	282.4373779	30	0	30	0	0	0	0	0	0	0	29	0	1	0
3	FOOD	make	268.6811218	46	4	42	1	3	0	0	0	0	13	6	23	0	0

4	LIST	make	151.8886261	18	0	18	0	0	0	0	0	0	0	18	0	0	0
5	USED	make	147.9262085	31	29	2	2	2	1	24	0	0	1	0	0	1	0
6	PLANTS	make	145.689743	28	24	4	1	2	4	6	11	0	0	0	0	3	1
7	USE	make	130.9297638	24	9	15	4	1	0	4	0	0	11	3	0	0	1
8	COLLECTION	make	116.1183929	10	0	10	0	0	0	0	0	0	0	10	0	0	0
9	SIMPLE	make	101.2942657	17	0	17	0	0	0	0	0	0	2	13	2	0	0
10	THINGS	make	96.28477478	15	5	10	3	0	1	1	0	0	8	0	0	1	1
11	SKETCH	make	80.41474915	8	0	8	0	0	0	0	0	0	0	7	1	0	0
12	PHOTOSYNTHESIS	make	68.07505035	10	2	8	0	1	0	1	0	0	0	0	4	0	4
13	CHART	make	67.21424103	8	0	8	0	0	0	0	0	0	0	5	2	1	0
14	DIFFERENT	make	57.36346054	13	4	9	0	1	1	2	0	0	1	1	2	1	4
15	BACTERIA	make	53.47834015	9	5	4	0	3	0	2	0	0	0	1	1	2	0
16	SKETCHES	make	52.52142334	5	0	5	0	0	0	0	0	0	3	1	1	0	0
17	ENERGY	make	51.25947571	17	10	7	0	3	2	5	0	0	1	2	1	3	0
18	SOLUTION	make	49.14251328	12	1	11	1	0	0	0	0	0	0	4	6	1	0
19	MOVE	make	47.46293259	9	1	8	0	1	0	0	0	0	0	8	0	0	0
20	YEAST	make	47.30198288	5	3	2	0	2	0	1	0	0	0	1	0	0	1
21	CHLOROPHYLL	make	45.93133163	6	5	1	4	0	0	1	0	0	0	0	1	0	0
22	ALCOHOL	make	45.84936142	7	2	5	1	1	0	0	0	0	4	0	0	1	0
23	GREEN	make	41.24071503	7	7	0	1	1	2	3	0	0	0	0	0	0	0
24	SEEDS	make	40.0518837	8	0	8	0	0	0	0	0	0	8	0	0	0	0
25	USING	make	39.72589493	10	4	6	1	0	3	0	0	0	0	0	3	1	2
26	PROJECT	make	36.58909225	5	5	0	0	0	0	1	4	0	0	0	0	0	0
27	EXPERIMENT	make	34.37425613	11	10	1	0	0	4	5	1	0	0	0	0	1	0
28	USEFUL	make	34.1907692	5	1	4	0	0	0	1	0	0	0	3	1	0	0
29	TABLE	make	32.83673477	7	1	6	0	0	0	1	0	0	0	6	0	0	0
30	LIGHT	make	31.47842598	11	5	6	1	3	1	0	0	0	1	0	4	1	0
31	PLASTICS	make	30.37174034	5	2	3	0	0	0	2	0	0	3	0	0	0	0
32	CELLS	make	23.36105156	7	4	3	0	1	1	2	0	0	0	1	1	1	0
33	ORGANISMS	make	22.71261787	5	4	1	0	0	1	3	0	0	0	0	0	1	0
34	PLANT	make	20.04457664	7	3	4	1	2	0	0	0	0	0	0	0	1	3
35	COPPER	make	19.21408653	6	1	5	0	0	1	0	0	0	1	1	0	0	3

36	LARGE	make	19.11853981	5	2	3	1	1	0	0	0	0	1	0	1	1	0
37	SMALL	make	18.46258354	6	2	4	0	1	0	1	0	0	0	2	1	0	1
38	SUBSTANCES	make	18.45668221	5	1	4	0	0	0	1	0	0	3	0	1	0	0
39	CELL	make	17.95327187	5	2	3	0	0	0	2	0	0	1	1	1	0	0
40	CALLED	make	16.77972412	7	3	4	0	2	1	0	0	0	0	1	0	1	2
41	MATERIALS	make	16.25046158	5	2	3	2	0	0	0	0	0	0	0	0	1	2

Appendix E3: Concordance lines of six cross-curricular content words (in bold) in the six textbooks corpora together with their significant collocates (in italics).

Cross-curricular word 1: WATER

English:

- **Water** that glistened *like* silver
- .. slipping away under the **water** *like* dark-brown dreams.

Geography:

- The following case study tells the story of South Dublin's main **water** *supply*.
- Nature constantly cleans and renews the earth's **water** *supply* by a process called the water cycle/our planet's **water** *supply*.
- The steep slopes and **water** *supply* in cirques has been used to generate hydro-electricity.
- South Co. Dublin gets much of its **water** *supply* from the River Liffey.
- Most of the earth's **water** *supply* exists in the form of salt water in the oceans or as ice in the polar ice caps.
- In past times, rivers were used for **water** *supply* and transport.
- Fifty years ago, less than one tenth of Third World people had access to reliable and *clean* **water** supplies.
- The development of *clean* **water** systems for all, vaccinations of the children of the developing world and the education of mothers are the ways by which population growth can be controlled.
- Unlike Calcutta, Hong Kong's public **water** *supply* is *clean* and drinkable.
- Uncontaminated **water** vapour in the *atmosphere* has a pH of about 5.6.
- The amount of **water** vapour in the *atmosphere* is expressed in terms of relative humidity.
- These gases combine with **water** vapour in the *atmosphere* and fall as acid rain.
- Name one river from which **water** is drawn for *irrigation* in the South of France.
- So much **water** is removed for *irrigation* and water supply that the river has dried up long before it reaches its mouth.
- The Nile provides **water** for *irrigation* in the vicinity of the river.

History:

- Describe how Rome obtained its **water** *supply*.
- The aqueducts: there were used to *supply* **water** to the fountains.
- There was no proper *supply* of clean **water** in the medieval cities and there was no way to dispose of rubbish or seawage.
- Thomas Newcomen invested the *steam* engine, which could pump **water** out from the mines.
- During the Industrial Revolution *steam* power replaced muscle and **water** power.
- Electricity also enabled *running* **water** to be pumped into houses.

CSPE:

- This has led to shanty towns (known as favelas in South America), which lack even the most basic services like *clean* **water**, sewerage systems, rubbish and electricity
- Children have the right to enough food and *clean* **water**.
- *Clean* **water** is not in endless supply.
- Millions of people do not have basic needs like *access* to clean **water**.
- Tell your local authority about suspected air or **water** *pollution*.
- Passing laws, e.g. the **Water** *Pollution* Act 1997
- The use of pesticides and fertilisers in *chemicals* into the air or **water.**

Mathematics:

- If 2.2. litres of the water are removed, calculate (i) the drop in the *level* of the **water** and (ii) the percentage of water remaining in the cylinder.
- If the radius of the cylinder is 8 cm, by how much will the *level* of the **water** drop if the spheres are removed from the cylinder?
- *Calculate* the height of **water** in the tank.
- *Calculate* the percentage of **water** in the container.
- What is the total *volume* of **water** put into the fish tank?
- Calculate (to the nearest *cm*) the rise in **water** in the tank.

Science:

- As it rises, the **water** *vapour* cools and condenses to form clouds of tiny droplets.
- The lungs excrete **water** *vapour* and carbon dioxide.
- **Water** *vapour* evaporates from cells in the leaves of plants and exits the leaves by way of tiny pores.
- The cobalt chloride paper is pink because **water** *vapour* is present in the air.
- Showing the presence of **water** *vapour* and carbon dioxide in the air (chemistry).
- Place the test tube into a *beaker* of cold **water.**
- To investigate the effects of decreased pressure on the *boiling* point of **water.**
- *Hard* **water** has a much better taste than *soft* **water**.
- To examine the difference between *hard* and *soft* **water.**
- Making invisible ink and cobalt chloride paper to *test* for **water.**
- The word equation for respiration is: *glucose* + oxygen => carbon *dioxide* + **water** + energy
- Describe an experiment to show that carbon *dioxide* and **water** are formed when fossil fuels are burned.

Cross-curricular word 2: AREA

English:

- Other *school* libraries in the **area** were visited to inspect their facilities.

Geography:

- *Calculate* the **area** of the *map* extract *shown*.
- Draw a sketch *map* of the **area** *shown* on the *photograph.*

- Warm air is lighter and rises, creating an **area** of low *pressure*.
- Air moves from a high-*pressure* **area** to a low-*pressure* **area**.
- A depression is an **area** with a low atmospheric *pressure* at the centre.
- Ireland has a small population but *Dublin* and its surrounding **area**.
- 62% of the nation's toxic waste is produced in the Cork *Harbour* **area**.
- On it [sketch map] mark and name the following: one area of evergreen woodland, one **area** of deciduous *woodland* and one **area** of mixed *woodland*.

History:

- The *Pale* was a small **area** around Dublin, stretching from Dundalk in the north to the Wicklow mountains in the south.
- This led to a rectangular **area** *called* the atrium.
- The **area** around the fireplace, *called* the hearth, had stone flags.
- The bishops ruled an **area** *called* a diocese.

CSPE:

- At weekends most TDs meet *people* of the **area** they have been elected to represent.
- Constituencies are smaller than counties and are based on the number of *people* living in the **area.**
- Find out if any young *people* in your **area** have got involved in any campaign.
- We decided to help older *people* in our **area** by organising a Christmas party for them.
- Let each group identify some *local* problems in your **area.**
- Everyone has the right to a say in the future planning and *development* of their **area**.
- Design a poster that would encourage people to attend a meeting to set up a *Neighbourhood* Watch scheme in your **area.**
- There is a need for more *youth* facilities in this **area.**

Mathematics:

- The **area** of a *rectangle* is equal to the frequency it represents.
- *Calculate* the **area** of the *triangle* in the diagram.
- *Find* the **area** of the shaded region.
- *Find* the **area** of the parallelogram.
- Find the *volume* and the surface **area** of each of the following solids.
- Calculate the circumference and **area** of a *circle.*
- Calculate the *perimeter* and the **area** of the figure shown.
- Find the length and width corresponding to the maximum **area**.
- **Area** of *triangle*: ~ (base) x perpendicular height.

Science:

- The atmospheric *pressure* over an **area** has a huge effect on the weather that area will have.
- Low *pressure* over an **area** gives rain, strong winds and generally unsettled, poor weather.
- High *pressure* over an **area** gives sunny days, light winds and clear, blue skies.
- The smaller the **area**, the greater the *pressure.*
- Pressure is the *force* per unit **area**.

- The **area** of an object is the amount of *surface* it has.
- Every *square* has an **area** of 1 mm.
- *Measuring* the **area** of regularly/irregularly-shaped objects

Cross-curricular word 3: TIME

English:

- Point out three details that tell you this story is set a *long* **time** ago.
- It covers an unusually *long* period of **time** for a short story.
- In bed that night, I lay awake a *long* **time**, thinking about it all.
- In this first extract, we see Billy arriving at his *part*-**time** job.
- Work out the **time** you will *spend* on each section before the exam.
- *Spend* some **time** planning you points carefully, making sure that you address the question directly.
- They *spend* their **time** 'waiting for Godot' who, of course, never comes.
- You are often asked to write about '*setting*' (**time** and place) in the examination.
- Some poems are *set* at a particular **time** of day or night.
- Before *Shakespeare's* **time**, drama took the form of short, religious plays which were presented in the church to teach people the stories of the Bible.
- In *Shakespeare's* **time** Elizabethan audiences loved puns.
- Name a novel or a short story you have studied where the writer describes one of the following: a sad time, a *happy* **time**, a worrying time.

Geography:

- The British iron and steel industry provides a good example of *change* over **time** in industrial location.
- The functions of settlements may *change* over **time.**
- Explain how social and historical events resulted in population *changes* over **time** in the West of Ireland.
- Many Georgian buildings have changed in *function* over **time.**
- Soil takes a *long* **time** to form.
- The world's *population* has increased unevenly over **time.**
- People who study population agree that the world's population will continue to *grow* for some **time.**

History:

- At the *same* **time**, a civil war had started in England between the Royalists and the Parliamentarians.
- The knights *spent* much of their **time** hunting.
- The city of Paris formed its own militia (*part*-**time** voluntary soldiers) called the National Guard.
- Paper, made from rags, was also *invented* at this **time**.
- *Historians* usually measure **time** in *years* and in centuries.
- Primary sources are those which come directly from the **time** that is being *studied*.

CSPE:

- Choose a *date*, **time** and venue for the event.
- Councillors *spend* a great deal of **time** away from their homes.
- When *election* **time** comes around, candidates send out leaflets to encourage people to vote for them.

Mathematics:

- Express distance in terms of **time** and average *speed*.
- Calculate, in hours and *minutes*, the **time** taken for a man to run a race of 51 km in length at an average speed of 12km/hr.
- The total **time** for both journeys was 7 hours.
- The x-axis represents **time**.
- *Calculate* the **time** taken for the first journey.
- Use the graph to *find* the **time** when the temperature was lowest.

Science:

- The velocity of an object is the *distance* it *travels per unit* **time**, in a given direction.
- The acceleration of a body is the change in its *velocity* in *unit* **time**.
- Plot a graph of temperature against time, *putting* **time** on the *horizontal axis*.
- Measure the **time** difference in *seconds*.
- Speed is the rate of *change* of *distance* with **time**.

Cross-curricular word 4: FIND

English:

- **Find** *evidence* in the extract to support your answer.
- What *evidence* can you **find** in the above scene to support this view?
- **Find** *answers* to the following questions
- Choose one character that you **find** *interesting* or striking for some reason and say what kind of person you think she will be in the story.
- What do you **find** *interesting* about the person who is speaking in this poem?
- Most *people* seem to **find** personal writing easiest
- Read the story silently first and **find** *words* that have the following meanings.
- **Find** the key *words* in the question and underline or highlight them, as in this sample question.
- As you read the *story,* **find** *words* which have the following meanings.
- Skim: read through the *passage* quickly to **find** out what it is about.
- **Find** illustrations, photographs and *book* covers.
- At the beginning of a *book* you will **find** the publisher's name and the date of first publication.

Geography:

- **Find** the *area* of the OS map extract.
- **Find** Eritrea on the *map* in figure 1.
- Six-*grid* references are used to **find** the exact location of a specific feature or place.

- At which one of the following *grid* references will you **find** a tourist information centre?

History:

- Year 1: How we **find** about the *past.*
- The travels [of Marco Polo] encouraged *explorers* to **find** new routes to the great wealth of the East.
- Some *explorers* wanted to **find** a north-west passage.
- Using sources *historians* search for evidence to **find** out about our past.
- Suggest how artefacts help *archaeologists* **find** out about the past.
- *Archaeologists* try to **find** out about prehistoric people by examining materials excavated from the ground.

CSPE:

- **Find** out the *names* of the four people who represent Ireland in the Council's Parliamentary Assembly.
- **Find** the *names* of five Senators and say whether they belong to political parties.
- **Find** out the *names* of your local representatives.
- Research**: Find** out more *information* about the United Nations.
- **Find** *information* on two projects carried out by the Leader Programme in any part of the country.
- **Find** out more *information* that you could include in the poster/leaflet.
- Fill in the blanks and then **find** the *words* in the Word Search.
- **Find** and *summarise* newspaper and television reports of political parties during the next week.
- Carry out a *survey* in your area to **find** out about attitudes towards unemployment or poverty.
- In *Chapter* 5, you will **find** advice and helpful hints on how to make posters and leaflets.

Mathematics:

- **Find** the *value* of x when the diver's speed is greatest.
- **Find** the *equation* of line L.
- Solve the *equation* to **find** the unknown number.
- **Find** the *image* of the point (3,5) under the axial symmetry in the line y=2.16.
- To **find** the *slope* of a line when given its equation, do the following ...
- **Find** the *point* of intersection of the following pairs of lines using two methods.
- Use your *graph* to **find** the maximum point and the maximum value of f(x)

Science:

- To **find** the *density* of a liquid/an irregular shaped object/a solid which floats, etc.
- **Find** the *mass* of the liquid/stone/dry clean beaker/water/flask and attachments, etc.
- **Find** the *volume* of a small stone/regular shaped object/cork/the substance, etc.
- To **find** the centre of *gravity* of an irregular shaped piece of cardboard.
- To **find** the force of *gravity* of different objects.

- Use the *graph* to **find** the acceleration by taking any two points/the athlete's velocity/the time taken to travel 27 m.

Cross-curricular word 5: USE

English:

- **Use** of *language* means word choices, emotive words and phrases to affect the audience, description, persuasion phrases, imagery, alliteration etc.
- When you write about poetry you must closely examine the *language* and **use** various poetic terms.
- The [ballads] **use** simple *language* and tell the tale through a mixture of description, action and dialogue.
- In looking closely at travel writing, facts, opinions and the writer's **use** of *language* are important when examining the text.
- When writing to advise, always **use** *language* in an appropriate way to communicate ideas to your audience.
- If you are writing about school rules for a class of very young children, the *language* you will **use** will be clear and simple.
- As with all types of writing, the examiner will be looking at the way you **use** *language*, e.g. spelling, punctuation, sentences and paragraphs.
- How does the poet **use** *language* to create this setting?
- What kind of *language* does the writer **use**?
- Discuss important features of an author's style and **use** of *language.*
- Comment on the **use** of violent *language* in the poem.
- Poets frequently **use** figurative (metaphorical) *language*, such as metaphors, similes, personification and symbols, which makes their writing more vivid and interesting.
- Both poets **use** *language* that is elegant, respectful and delicate.
- A very fine answer, focusing clearly on the **use** of violent *language* in creating an unsettling atmosphere.
- They [tabloid newspapers] tend to **use** emotive *language* and sensationalise stories.
- Have you noticed how advertisers **use** *words* to persuade us to buy things?
- Anything you notice about how writers **use** *words* will help you understand their style or technique.
- Always **use** *quotations* from the passage to support your answers.
- Remember to **use** brief *quotations* as evidence for your points and work these into your sentences.
- Underline *quotes* which you can **use** to explain your answer.
- **Use** *quotes* to support your opinions.
- Dickens' **use** of colour *imagery*, especially red and black, emphasizes the unnatural atmosphere of the dreary industrial town.
- Don't **use** too much *dialogue* in the story.
- Writers **use** *dialogue* to help us to know characters in stories.
- **Use** *words and dialogue* from the poem.
- Underline words and *phrases* that you can **use** in your answers.
- What words or *phrases* would you **use** to describe the rhythm you are making?
- Address all questions directly and **use** relevant *reference* to support your point.
- **Use** close *reference* to the text in your answer.
- When writing about characters **use** *evidence* from the text to back up your statement.

- To make a good case, think about the issue carefully and **use** *evidence* and examples to support what you are saying.
- Why do *poets* **use** sound effects?
- Many *poets* **use** comparisons to help us more clearly understand what is being said.
- Some *poets* **use** straightforward vocabulary and can be taken literally.
- *Poets* **use** rhyme to emphasise and draw attention to certain words.
- Sometimes *poets* **use** rhythm to imitate the motion of something.
- *Poets* **use** language in a special way.
- *Writers* also **use** sound effects in their writing to draw attention to a particular word or phrase.
- *Writers* who **use** a friendly, conversational style usually seem sincere.
- *Writers* **use** cliff hangers to hold their readers.
- *Writers* often **use s**imiles, metaphors and personification to create vivid images.

Geography:

- **Use** *evidence* from the map and the photograph to support your answer.
- **Use** *evidence* from the map to support/justify/explain your answer.
- **Use** *evidence* from the photograph to support your decision.
- **Use** the following *headings* in your description/to explain your answer/to develop three points fully.
- **Use** *grid* references to justify your choice
- **Use** map *evidence* to support your answer.
- **Use** your *atlas* to identify the towns of Ireland's most important roads.
- **Use** a sharp *pencil* to mark the position and height of the end points.
- This photograph shows that *land*-**use** in the town centre is more intensive than in the outskirts.
- Both land values and intensity of *land*-**use** tend to increase towards a city centre.

History:

- *Archaeologists* **use** a technique called dendrochronology to discover the age of wooden objects.
- *Archaeologists* can therefore **use** pollen to build a picture of the way people used the land at various times in the past.
- What **use** do *archaeologists* make of bones and pollen grains?
- The job of the historian is to **use** the *sources* to reconstruct the past.
- Good historians are very careful in their **use** of *sources* and they like to **use** several different *sources* when studying the past.
- We can also **use** pictorial *sources* to compare the past with the present.
- By the late nineteenth century, **use** of the Irish *language* was in decline in Ireland.
- The planters would **use** English law, language and customs.
- *Vernacular* writing humanists encouraged scholars to **use** Greek and Latin but ordinary people continued to **use** their *vernacular* (everyday) languages and many writers used them to produce great works of literature.
- The knights kept some of the *land* for their own **use** (their demesne) and rented the rest to peasants.
- The **use** of *violence* against socialists.
- Do you think the Conservative party would support unionist **use** of *violence* to resist Home Rule?

- Hitler censored the media but made clever **use** of *propaganda* to build up popular support.
- Fascists and Nazis made clever **use** of *propaganda* to portray themselves as mighty leaders of great nations.

CSPE:

- **Use** renewable *energy* sources like wind, solar and wave power to make electricity
- Could you cut down on your **use** of plastic *bags* and **reuse** them when you shop?
- They started to **use** environmentally-friendly *products* and they closed down the old town dump.

Mathematics:

- **Use** your graph to *estimate* the median mark.
- **Use** Pythagoras's theorem to *find* the length of the sides indicated by a letter in each of the following diagrams.
- We will **use** two methods to *solve* this quadratic equation.
- **Use** your *calculator* to find the angle.
- **Use** your *protractor* to draw an angle of 70Â°
- **Use** your *graph* to find the minimum point and the minimum value.
- **Use** this *information* to form an equation.
- Write down an equation in x to represent the *information* and **use** it to calculate x.

Science:

- Make **use** of the space provided.
- Very often plants develop at different times to make **use** of light while it is available.
- **Use** the graph to *find* the weight of an object.
- *Name* a chemical you would **use** to test for the presence of starch in a leaf.
- The power rating of any appliance is a measure of how much *electricity* it will **use**.
- The ESB meter in your home measures the number of units of *electricity* you **use**.
- Solar panels on buildings **use** the sun's *energy* to heat water.
- **Use** litmus to *test* whether the solution is acidic or basic.
- **Use** iodine solution to *test* B for starch.
- Always **use** a *test* tube holder.
- In this *experiment,* we will **use** a battery and some conducting wire to show the heating effect of a current.
- **Use** the *tongs* to hold the piece of magnesium ribbon in the Bunsen burner flame.
- When most of the water has been evaporated, **use** a *tongs* to place the evaporating basin over a beaker of water, as shown in the diagram.
- The *plants* **use** the sun's energy to make food in their leaves through photosynthesis.
- Draw a diagram of the *apparatus* you would **use** to copper plate an iron key.
- Name the pieces of *apparatus* you would **use** in the following activities.

Cross-curricular word 6: MAKE

English:

- **Make** *sure* you understand what you have to read before you begin to summarise.

- **Make** *sure* you know how exam papers are organised.
- **Make** *sure* you stick to this schedule during the examination.
- Start your answer with a plan and **make** *sure* that this plan is legible.
- **Make** *sure* to get the layout right.
- Always **make** *sure* that what you write is relevant.
- Get straight into your answer with only a brief introduction, remembering to use Standard English, that is, **make** *sure* your writing is formal.
- Address questions directly and develop the main *points* you **make** by using relevant reference.
- Support the *points* you **make** by detailed and relevant reference.
- They [poems] will **make** you *think* about things and some of them might even affect your feelings.
- If taking notes from a book, skim the relevant section first in order to **make** *sense* of the whole piece.
- The following jumble of words will **make** *sense* if you organise it into a grammatical sentence.
- An opening must **make** the *reader* curious.
- **Make** a *list* of the adjectives in the following passage.
- **Make** a *list* of words that you have difficulty with and learn them.
- **Make** a *list* of three good qualities in this student's story.
- Write out the *speech* you would **make** for or against this motion.
- Write out the text of a *speech* you would **make** to inform your school year group about a deserving charity that you support.
- Longer sentences **make** the *story* flow more smoothly.
- The setting can **make** the *story* seem sadder, more scary etc.
- **Make** clear your *point* of view.
- Short sentences can really **make** a *point*.
- A sequence of events must be set in motion which will catch our interest and **make** us *want* to read on.
- The last three lines are intended to avoid panic and **make** listeners *feel* reassured and calm.
- If you wish, you can **make** *use* of some of the phrases you wrote down or you can write entirely from your own imagination.
- **Make** *use* of the following words or phrases when you write about an advertisement.

<u>Geography:</u>

- Limestone is *used* to **make** monuments and headstones.
- The rock is crushed and *used* to **make** concrete blocks and for road chippings.
- Sheffield steel is *used* to **make** specialised, high quality expensive products such as surgical instruments and cutlery.
- **Make** *sure* you have at least three pieces of relevant detail in each point.
- **Make** *sure* you to include a frame, title or heading and direction arrow on your sketch map.
- Always give at least three reasons just to **make** *sure* you have enough facts written down.
- How can earthworm *help* to **make** soil fertile?
- These *droplets* **make** up cloud.
- Light industries use light resource materials to **make** relatively small *products*.

- Urban planners try to **make** an *area* more pleasant and convenient for residents to live in.

History:

- The British Parliament could **make** *laws* for Ireland.
- Wheat and barley were *used* to **make** bread and porridge.
- The press, radio, television and posters can be *used* to **make** propaganda.
- What *use* did the Celts **make** of the new weapons?
- The bronze was poured into moulds to **make** *tools* and weapons.
- The Fianna Fail government wanted to **make** *Ireland* self-sufficient in farm products.
- The Supreme Court's main task is to **make** *sure* that the laws passed by Congress and the actions of the President are constitutional.
- When did the Celts learn to **make** *iron* weapons?

CSPE:

- **Make** *sure* to have prepared a list of the important questions that you want answered.
- **Make** *sure* you go back to your diary or log to remind yourself of all the activities and information you discovered and were involved in.
- **Make** *sure* you use these questions as part of your revision for the exam, as the same style of questioning is used.
- By making small changes in our lifestyle, we can **make** a big *difference* in the environment.
- **Make** a *list* of the basic human rights that people who are bullied are being deprived of.
- **Make** a suitable *list* of questions and choose a selection of people to survey.
- **Make** a *list* of the different ways you use water in a day.
- The **Make**-Poverty-*History* Irish campaign is made up of forty development organisations, trade unions and campaigning groups.
- One of the government's jobs is to **make** *laws*.
- You could **make** out some *poster*/information *leaflets* or **make** announcements at Assembly or over the school public address system.
- **Make** three *changes* a person can **make** to their lifestyle that will help the environment.
- **Make** sure that the *information* is easy to show on a graph.
- Members of the local authority meet each month to **make** *decisions* about their local area and how money is to be spent.
- The Parliament will have more *power* to **make** laws with the Council of Ministers.

Mathematics:

- **Make** *sure* both sides are measured in the same units.
- **Make** *sure* all the bars are the same width.
- **Make** *sure* you know which angle you are using and which sides are the opposite and adjacent.
- Solving an inequality means findings the values of x that **make** the inequality *true*.
- **Make** *coefficients* of y the same.
- **Make** sure both *sides* are measured in the same unit.

Science:

- **Make** *sure* the moss peat does not dry out.
- **Make** *sure* there is no air bubble trapped underneath the plasticine.
- **Make** *sure* the thermometer is held steadily and does not touch the test tube.
- **Make** a *list* of the changes man has made in nature.
- **Make** a *list* of the different animals that you observe in the habitat.
- **Make** a *list* of the amount of food proteins, fats etc. per 100 g. of the food.
- Fuses, circuit breakers and plugs are all *used* to **make** electricity safer for *use* in the home.
- Nylon can be formed into fibre *used* to **make** stockings, carpets and ropes.
- Chloroplasts contain chlorophyll, which plants *use* to **make** food cell wall.
- Thermometers usually **make** *use* of the expansion of liquids.
- Producers are *plants* that **make** food by photosynthesis.
- **Make** a *collection* of well-known wild flowers/the fungi to be found in the woodland/insects/seashells etc.
- To **make** a *simple* map of the habitat/electromagnet/transformer/periscope using two plain mirrors.
- A force can **make** *things* move or stop when moving.
- Materials can be used to **make** lots of different *things*.
- **Make** a *sketch* of the onion cells/a spider's web/the plants you have identified.
- **Make** a bar *chart* of your results.
- **Make** an energy *chart*.
- Using *bacteria* to **make** cheese.

Appendix E4: Cross-curricular content words in the six examinations corpora (sorted by range - cut-off point = 44 text files out of 60, minimum frequency 40 per million words).

N	Word	Total	Texts	English		Geography		History		CSPE		Mathematics		Science	
		Raw F		Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰	Raw F	F ‰
1	ANSWER	1821	60	641	7.33	242	5.92	333	8.15	171	7.28	170	4.07	264	4.07
2	WRITE	837	60	248	2.84	33	0.81	160	3.91	85	3.62	182	4.35	129	4.35
3	QUESTIONS	800	60	213	2.44	122	2.99	129	3.16	125	5.32	58	1.39	153	1.39
4	USE	775	60	70	0.8	75	1.84	34	0.83	35	1.49	107	2.56	454	2.56
5	FOLLOWING	774	60	209	2.39	111	2.72	218	5.33	30	1.28	77	1.84	129	1.84
6	PAPER	564	60	192	2.2	69	1.69	110	2.69	29	1.23	113	2.7	51	2.7
7	EXAMINATION	388	60	70	0.8	60	1.47	83	2.03	52	2.21	52	1.24	71	1.24
8	CERTIFICATE	211	60	45	0.51	38	0.93	38	0.93	11	0.47	53	1.27	26	1.27
9	JUNE	208	60	45	0.51	45	1.1	24	0.59	14	0.6	53	2.27	27	0.45
10	JUNIOR	208	60	44	0.5	38	0.93	37	0.91	11	0.47	52	1.24	26	0.43
11	NAME	1654	59	176	1.62	142	4.55	186	5.58	228	7.49	24	0.57	898	14.99
12	GIVE	1047	58	54	2.77	242	0.46	19	5.29	216	2.3	82	1.96	434	7.25
13	QUESTION	734	58	139	2.22	194	0.34	14	0.54	22	5.92	72	1.72	293	4.89
14	NUMBER	516	58	40	0.17	15	1.79	73	1	41	1.7	225	5.38	122	2.04
15	PAGE	2392	57	275	0.17	500	11.6	474	5.38	220	11.71	555	13.27	368	6.14
16	PLACE	200	56	12	0.79	69	0.73	30	0.76	31	0.51	27	0.65	31	0.52
17	REASON	299	56	41	0.43	38	0.46	19	1.64	67	1.75	47	1.12	87	1.45
18	SHOW	273	56	12	0.34	30	1	41	0.69	28	0.51	50	1.2	112	1.87
19	MARKS	1028	55	421	1.21	106	2.23	91	3.43	140	17.92	190	4.54	80	0.01
20	USED	451	55	13	0.39	34	1	41	0.83	34	0.55	43	1.03	286	4.78
21	BOX	798	54	38	0.25	22	8.32	340	0.42	17	1.62	271	6.48	110	1.84
22	PART	469	54	26	1.06	93	0.81	33	0.71	29	1.11	72	1.72	216	1.15
23	STATE	296	54	27	0.48	42	1.08	44	1.1	45	1.15	48	1.15	90	1.5
24	GIVEN	242	53	15	0.33	29	0.76	31	0.54	22	0.64	82	1.96	63	1.05
25	MAKE	270	53	38	1.24	108	0.01	11	0.32	13	1.62	31	0.74	69	1.15
26	RIGHT	350	52	19	0.66	58	0.66	27	0.27	11	1.62	31	0.74	204	3.41

27	WORK	330	52	33	0.47	41	0.46	19	1.79	73	1.4	143	3.42	21	0.35
28	CORRECT	577	51	20	0.01	5	9.54	390	0.59	24	0.85	111	2.65	27	0.45
29	INFORMATION	167	51	51	0.22	19	0.69	28	0.24	10	2.17	46	1.1	13	0.22
30	DAY	232	50	46	1.11	97	0.49	20	0.49	20	1.7	36	0.86	13	0.22
31	STUDY	237	50	40	0.19	17	1.62	66	1.44	59	1.96	28	0.01	27	0.45
32	COMMISSION	173	49	15	0.37	32	0.78	32	0.81	33	0.64	40	0.96	21	0.35
33	MADE	225	47	10	0.92	80	0.27	11	0.83	34	0.01	21	0.5	69	1.15
34	CHANGE	166	44	12	0.19	17	0.69	28	1.03	42	0.01	18	0.43	49	0.82

Appendix E5: The most significant collocates of four cross-curricular examinations words and detailed information on G^2 scores (≥ 15.13), total frequency and frequency in each position (within a five-word collocational span).

1. The most significant collocates of *answer* in the six examinations corpora

English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	1812.723389	190	0	190	0	0	0	0	0	0	2	138	5	11	34
2	QUESTION	answer	1704.755615	177	92	85	30	0	59	3	0	0	33	9	1	33	9
3	REFERENCE	answer	879.0251465	95	0	95	0	0	0	0	0	0	0	89	6	0	0
4	GIVE	answer	876.5986328	119	118	1	28	90	0	0	0	0	0	0	1	0	0
5	REASONS	answer	848.6252441	98	98	0	0	0	98	0	0	0	0	0	0	0	0
6	FOLLOW	answer	642.4252319	79	0	79	0	0	0	0	0	0	0	0	0	78	1
7	SUPPORT	answer	589.3762207	63	63	0	0	0	4	59	0	0	0	0	0	0	0
8	FOLLOWING	answer	550.444519	82	10	72	1	8	1	0	0	0	0	15	0	42	15
9	SECTIONS	answer	377.9824524	50	0	50	0	0	0	0	0	0	20	0	0	20	10
10	READ	answer	365.4816284	58	58	0	57	1	0	0	0	0	0	0	0	0	0
11	TEXT	answer	260.1096802	37	2	35	2	0	0	0	0	0	0	0	2	0	33
12	FUNCTIONAL	answer	236.8890686	26	26	0	0	0	26	0	0	0	0	0	0	0	0
13	EXTRACT	answer	228.4451294	42	26	16	1	12	13	0	0	0	0	0	1	0	15
14	POEM	answer	228.1548462	47	27	20	5	0	21	1	0	0	0	0	1	1	18
15	EXPLAIN	answer	193.1282501	38	36	2	0	0	0	36	0	0	0	0	0	2	0
16	CAREFULLY	answer	185.5954285	29	29	0	2	0	13	14	0	0	0	0	0	0	0
17	BASIS	answer	172.2213898	18	18	0	0	0	18	0	0	0	0	0	0	0	0
18	WRITING	answer	164.2071075	27	27	0	1	0	0	26	0	0	0	0	0	0	0
19	SECTION	answer	155.1809235	37	37	0	28	9	0	0	0	0	0	0	0	0	0
20	REASON	answer	147.777298	20	20	0	0	0	20	0	0	0	0	0	0	0	0
21	PIECE	answer	143.5773163	20	20	0	0	0	19	1	0	0	0	0	0	0	0
22	PASSAGE	answer	92.22419739	16	11	5	0	1	10	0	0	0	0	0	1	0	4
23	EVIDENCE	answer	90.25067902	13	0	13	0	0	0	0	0	0	0	9	4	0	0
24	BASING	answer	89.11009216	10	10	0	0	0	0	10	0	0	0	0	0	0	0

25	BASE	answer	89.11009216	10	10	0	0	0	0	10	0	0	0	0	0	0	0
26	TURN	answer	84.75222015	21	21	0	8	4	0	9	0	0	0	0	0	0	0
27	PAPER	answer	47.05471039	15	11	4	0	0	6	5	0	0	0	0	4	0	0
28	DRAMA	answer	46.85822296	10	10	0	0	0	0	10	0	0	0	0	0	0	0
29	EXAMINATION	answer	37.00416183	9	5	4	0	0	5	0	0	0	0	4	0	0	0
30	ACCOMPANIES	answer	30.18348312	5	5	0	5	0	0	0	0	0	0	0	0	0	0
31	BASED	answer	28.22347641	6	0	6	0	0	0	0	0	0	6	0	0	0	0
32	NOVEL	answer	21.82400894	7	0	7	0	0	0	0	0	0	0	0	1	0	6
33	STUDIES	answer	19.99298286	5	5	0	0	0	0	5	0	0	0	0	0	0	0
34	MEDIA	answer	19.282444	5	5	0	0	0	5	0	0	0	0	0	0	0	0
35	FORM	answer	16.39817429	5	3	2	1	0	1	1	0	0	2	0	0	0	0

Geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	609.5735474	71	0	71	0	0	0	0	0	0	0	47	9	3	12
2	BOOK	answer	343.2506409	32	0	32	0	0	0	0	0	0	32	0	0	0	0
3	CIRCLE	answer	327.6420288	36	36	0	0	0	36	0	0	0	0	0	0	0	0
4	FOLLOW	answer	210.6510162	21	0	21	0	0	0	0	0	0	0	0	0	21	0
5	MARKS	answer	188.0602722	28	18	10	0	0	0	0	18	0	0	0	10	0	0
6	RETURN	answer	187.2694244	25	25	0	25	0	0	0	0	0	0	0	0	0	0
7	CORRECT	answer	169.0049438	39	38	1	0	1	0	0	37	0	0	0	0	1	0
8	FOLLOWING	answer	149.7284241	25	1	24	0	1	0	0	0	0	0	7	0	5	12
9	FOLDER	answer	125.7754364	20	20	0	0	0	20	0	0	0	0	0	0	0	0
10	GEOGRAPHICAL	answer	119.7300644	15	15	0	0	0	0	15	0	0	0	0	0	0	0
11	MIX	answer	118.3187256	15	15	0	0	0	0	0	15	0	0	0	0	0	0
12	SECTION	answer	113.2523956	20	20	0	2	18	0	0	0	0	0	0	0	0	0
13	STATEMENTS	answer	90.81617737	17	0	17	0	0	0	0	0	0	0	0	0	0	17
14	PAGE	answer	80.7228775	26	23	3	0	23	0	0	0	0	0	1	2	0	0

History examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	BOOK	answer	878.5891724	89	3	86	0	3	0	0	0	0	86	0	0	0	0
2	PAPER	answer	838.671875	92	85	7	0	0	78	0	7	0	0	0	0	0	7
3	FOLLOWING	answer	731.7096558	101	10	91	10	0	0	0	0	0	0	61	0	30	0
4	MARKS	answer	403.9897766	59	40	19	0	0	0	0	40	0	0	0	19	0	0
5	ACCOMPANY	answer	399.9125977	40	40	0	40	0	0	0	0	0	0	0	0	0	0
6	SEPARATE	answer	260.1878052	27	20	7	0	0	0	0	20	0	0	0	0	7	0
7	HISTORY	answer	206.2691345	32	26	6	0	0	26	0	0	0	0	3	0	3	0
8	INCLUDE	answer	168.7083588	17	17	0	17	0	0	0	0	0	0	0	0	0	0
9	RETURN	answer	165.712738	18	18	0	18	0	0	0	0	0	0	0	0	0	0
10	EXAMINATION	answer	164.8321533	27	21	6	0	1	0	20	0	0	0	0	0	0	6
11	HELP	answer	162.8670044	20	20	0	0	20	0	0	0	0	0	0	0	0	0
12	PAGES	answer	151.8410339	17	17	0	0	0	17	0	0	0	0	0	0	0	0
13	TURN	answer	146.9001007	24	10	14	3	0	0	7	0	0	0	14	0	0	0
14	SUPPORT	answer	114.592514	16	16	0	0	0	0	16	0	0	0	0	0	0	0
15	CENTRE	answer	114.4535065	14	14	0	0	13	0	1	0	0	0	0	0	0	0
16	STAMP	answer	114.4535065	14	14	0	0	0	13	0	1	0	0	0	0	0	0
17	DOCUMENT	answer	100.1086578	20	1	19	0	1	0	0	0	0	0	0	0	0	19
18	NUMBER	answer	95.27428436	15	14	1	0	0	1	0	13	0	0	0	0	0	1
19	BOX	answer	86.96808624	11	11	0	2	9	0	0	0	0	0	0	0	0	0
20	CORRECT	answer	85.79711151	12	11	1	0	0	0	0	11	0	0	0	0	1	0
21	PEOPLE	answer	78.5129776	20	20	0	20	0	0	0	0	0	0	0	0	0	0
22	QUESTION	answer		30	10	20	0	10	0	0	0	0	0	6	14	0	0
23	PICTURE	answer	60.91120529	20	1	19	0	1	0	0	0	0	0	0	0	0	19
24	ENCLOSE	answer		27	20	7	20	0	0	0	0	0	0	0	7	0	0
25	PAGE	answer	56.84718323	18	12	6	2	6	4	0	0	0	0	2	0	4	0
26	ANSWERBOOK	answer	53.02117157	7	0	7	0	0	0	0	0	0	0	0	0	0	7
27	LEVEL	answer	52.33384705	10	7	3	0	1	0	0	6	0	0	0	0	3	0
28	SPACES	answer	43.53689575	7	7	0	7	0	0	0	0	0	0	0	0	0	0
29	ANSWER	answer		367	22	22	2	19	1	0	0	323	0	0	1	19	2
30	ORDINARY	answer	41.94138336	7	4	3	1	0	0	3	0	0	0	0	1	0	2
31	SHORT	answer		38	38	0	19	0	0	0	19	0	0	0	0	0	0

32	PLEASE	answer	39.85770035	7	0	7	0	0	0	0	0	0	0	7	0	0	0
33	HIGHER	answer	33.78448868	6	3	3	0	0	0	3	0	0	0	0	2	0	1

CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	1028.972046	105	0	105	0	0	0	0	0	0	0	50	16	24	15
2	SECTION	answer	605.4873657	82	52	30	0	20	0	32	0	0	0	0	0	10	20
3	STUDIED	answer	318.7164612	32	32	0	1	6	25	0	0	0	0	0	0	0	0
4	BOOK	answer	161.8531342	18	0	18	0	0	0	0	0	0	18	0	0	0	0
5	PAPER	answer	144.3022461	18	18	0	5	1	0	12	0	0	0	0	0	0	0
6	EXTRA	answer	114.289711	12	12	0	0	0	12	0	0	0	0	0	0	0	0
7	MARKS	answer	105.4664764	32	20	12	0	0	0	0	20	0	0	2	10	0	0
8	QUESTION	answer	103.7482224	22	0	22	0	0	0	0	0	0	0	12	10	0	0
9	NEED	answer	100.7928467	12	12	0	0	12	0	0	0	0	0	0	0	0	0
10	PLEASE	answer	90.67389679	13	0	13	0	0	0	0	0	0	0	0	13	0	0
11	ASK	answer	85.6113205	12	0	12	0	0	0	0	0	0	0	0	0	12	0
12	NUMBERED	answer	83.28279877	12	0	12	0	0	0	0	0	0	0	0	0	0	12
13	APPROACH	answer	54.71570206	6	0	6	0	0	0	0	0	0	0	0	0	0	6
14	EXPECTED	answer	50.34037018	5	5	0	0	0	0	5	0	0	0	0	0	0	0
15	FOLLOW	answer	36.54180527	5	0	5	0	0	0	0	0	0	0	0	0	5	0
16	CORRECT	answer	36.18916702	6	1	5	0	0	0	0	1	0	0	0	0	4	1
17	BOX	answer	34.6488266	7	7	0	0	7	0	0	0	0	0	0	0	0	0
18	EXPLAIN	answer	32.47381973	7	6	1	0	0	0	6	0	0	1	0	0	0	0
19	OPPOSITE	answer	28.04014015	5	5	0	0	0	5	0	0	0	0	0	0	0	0
20	THINK	answer	27.70595169	6	0	6	0	0	0	0	0	0	0	4	1	1	0
21	HUMAN	answer	26.45577431	6	0	6	0	0	0	0	0	0	0	0	6	0	0
22	POSTER	answer	24.36190796	7	7	0	0	0	0	0	7	0	0	0	0	0	0
23	INFORMATION	answer	24.07542229	6	6	0	0	1	1	2	2	0	0	0	0	0	0
24	RIGHTS	answer	21.18060493	6	0	6	0	0	0	0	0	0	0	0	0	6	0

Mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	GIVE	answer	895.6047974	77	77	0	22	0	0	55	0	0	0	0	0	0	0
2	FORM	answer	451.9843445	47	2	45	0	2	0	0	0	0	0	0	27	17	1
3	REASON	answer	449.5623779	41	26	15	0	0	26	0	0	0	0	14	0	0	1
4	CORRECT	answer	306.8118591	38	1	37	0	0	0	0	1	0	35	0	0	0	2
5	GIVING	answer	255.5878601	23	23	0	4	0	0	19	0	0	0	0	0	0	0
6	SIMPLEST	answer	189.7934418	20	2	18	2	0	0	0	0	0	0	0	18	0	0
7	NEAREST	answer	159.8488922	21	0	21	0	0	0	0	0	0	0	0	6	14	1
8	DECIMAL	answer	138.7193756	18	0	18	0	0	0	0	0	0	0	0	0	18	0
9	EXPRESS	answer	107.2129669	15	15	0	0	0	0	15	0	0	0	0	0	0	0
10	WRITE	answer	101.2370377	19	12	7	0	0	2	10	0	0	0	3	0	4	0
11	PLACES	answer	97.55415344	12	0	12	0	0	0	0	0	0	0	0	0	0	12
12	PART	answer	58.69486237	10	0	10	0	0	0	0	0	0	0	10	0	0	0
13	WHOLE	answer	51.14609909	7	0	7	0	0	0	0	0	0	0	0	0	1	6
14	PLACE	answer	50.53842545	7	0	7	0	0	0	0	0	0	0	1	0	0	6
15	METRE	answer	49.53278351	6	0	6	0	0	0	0	0	0	0	0	0	4	2
16	WRITTEN	answer	47.37117004	7	0	7	0	0	0	0	0	0	0	0	7	0	0
17	VERIFY	answer	39.83248138	5	5	0	0	0	0	5	0	0	0	0	0	0	0
18	GIVEN	answer	33.92954254	7	1	6	0	1	0	0	0	0	0	0	0	6	0
19	GRAPH	answer	30.06832695	8	8	0	0	0	0	8	0	0	0	0	0	0	0
20	USE	answer	18.2397213	5	3	2	2	0	0	1	0	0	0	1	0	1	0

Science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	QUESTIONS	answer	1167.25769	115	0	115	0	0	0	0	0	0	0	64	13	6	32
2	FOLLOWING	answer	332.0912781	44	0	44	0	0	0	0	0	0	0	15	0	17	12
3	BOOK	answer	246.5487976	22	0	22	0	0	0	0	0	0	22	0	0	0	0
4	SPACES	answer	228.3212128	23	0	23	0	0	0	0	0	0	0	0	0	0	23

5	MARKS	answer	221.396637	29	24	5	0	0	0	0	24	0	0	0	5	0	0
6	REASON	answer	215.4661255	29	29	0	0	0	29	0	0	0	0	0	0	0	0
7	PARTS	answer	190.4252625	25	0	25	0	0	0	0	0	0	0	12	13	0	0
8	SECTION	answer	177.3680573	35	19	16	19	0	0	0	0	0	8	0	0	4	4
9	QUESTION	answer	131.5801239	28	0	28	0	0	0	0	0	0	0	16	0	0	12
10	SECTIONS	answer	126.2890701	16	0	16	0	0	0	0	0	0	0	0	8	0	8
11	FOLLOW	answer	115.9175491	11	0	11	0	0	0	0	0	0	0	0	0	11	0
12	GIVE	answer	115.6575928	29	29	0	29	0	0	0	0	0	0	0	0	0	0
13	STUDY	answer	86.41378784	11	11	0	0	10	1	0	0	0	0	0	0	0	0
14	CORE	answer	70.13481903	8	8	0	0	0	8	0	0	0	0	0	0	0	0
15	ENCLOSE	answer	55.69913101	5	5	0	0	5	0	0	0	0	0	0	0	0	0
16	OTHERWISE	answer	50.29995728	5	0	5	0	0	0	0	0	0	0	5	0	0	0
17	EXAMINE	answer	43.36407471	5	5	0	0	5	0	0	0	0	0	0	0	0	0
18	RETURN	answer	41.87400436	5	5	0	5	0	0	0	0	0	0	0	0	0	0
19	DIAGRAM	answer	32.55358505	17	16	1	0	0	1	15	0	0	0	0	0	0	1
20	ANSWERING	answer	26.63476753	5	0	5	0	0	0	0	0	0	0	0	0	0	5
21	PAPER	answer	23.33033752	5	5	0	0	0	5	0	0	0	0	0	0	0	0
22	USING	answer	20.97086906	6	0	6	0	0	0	0	0	0	0	0	0	6	0

2. The most significant collocates of *write* in the six examinations corpora

English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	COMPOSITION	write	417.2816162	36	0	36	0	0	0	0	0	0	0	26	10	0	0
2	PERSONAL	write	315.0463257	30	30	0	0	0	30	0	0	0	0	0	0	0	0
3	WRITING	write	249.0105438	30	30	0	0	0	0	30	0	0	0	0	0	0	0
4	LETTER	write	183.7692566	20	1	19	0	0	0	0	1	0	0	18	1	0	0
5	SPEECH	write	172.9566193	18	0	18	0	0	0	0	0	0	0	16	2	0	0
6	SECTION	write	131.7999725	25	25	0	25	0	0	0	0	0	0	0	0	0	0
7	CONVERSATION	write	123.6031799	13	0	13	0	0	0	0	0	0	0	2	2	0	9
8	PROSE	write	119.1405334	10	0	10	0	0	0	0	0	0	0	10	0	0	0
9	STATED	write	119.1405334	10	10	0	10	0	0	0	0	0	0	0	0	0	0
10	REPORT	write	99.31973267	11	2	9	0	0	2	0	0	0	0	8	1	0	0
11	FREE	write	83.63259888	10	10	0	0	0	0	10	0	0	0	0	0	0	0
12	REST	write	77.48826599	9	0	9	0	0	0	0	0	0	0	9	0	0	0
13	WISH	write	76.73188019	10	0	10	0	0	0	0	0	0	0	0	0	0	10
14	FORM	write	74.58260345	11	0	11	0	0	0	0	0	0	0	0	10	0	1
15	INSPIRED	write	73.78705597	7	0	7	0	0	0	0	0	0	0	0	7	0	0
16	FULL	write	67.40248871	8	0	8	0	0	0	0	0	0	0	1	2	4	1
17	DIALOGUE	write	62.62490845	7	0	7	0	0	0	0	0	0	0	3	4	0	0
18	STORY	write	61.80334091	13	0	13	0	0	0	0	0	0	0	13	0	0	0
19	DIARY	write	59.94338608	6	0	6	0	0	0	0	0	0	0	2	0	4	0
20	LINES	write	59.31108475	7	0	7	0	0	0	0	0	0	0	0	4	1	2
21	DESCRIPTION	write	54.78059387	6	0	6	0	0	0	0	0	0	0	3	2	0	1
22	AGAINST	write	53.70617676	8	0	8	0	0	0	0	0	0	0	0	0	0	8
23	ACCOMPANIES	write	50.26674652	6	6	0	3	3	0	0	0	0	0	0	0	0	0
24	INCLUDES	write	44.34000778	5	0	5	0	0	0	0	0	0	0	0	0	5	0
25	REVIEW	write	44.34000778	5	0	5	0	0	0	0	0	0	0	4	1	0	0
26	INFORMATION	write	37.63897705	5	5	0	2	2	0	1	0	0	0	0	0	0	0
27	IMAGINE	write	35.17307281	6	0	6	0	0	0	0	0	0	0	0	0	3	3

28	PAGE	write	32.30867386	12	1	11	0	0	1	0	0	0	0	0	10	1	0
29	ASKED	write	25.85256195	5	5	0	0	0	1	4	0	0	0	0	0	0	0
30	PAPER	write	24.1594696	7	7	0	0	0	1	6	0	0	0	0	0	0	0
31	TEXT	write	22.3262291	5	1	4	0	0	0	0	1	0	0	4	0	0	0
32	MAKE	write	19.50941277	5	2	3	0	0	2	0	0	0	0	0	0	0	3
33	SCENE	write	18.18017006	5	1	4	0	0	0	0	1	0	0	3	0	0	1

Geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	EXAMINATION	write	230.8737	20	0	20	0	0	0	0	0	0	0	20	0	0	0
2	NUMBER	write	221.5356	20	0	20	0	0	0	0	0	0	0	0	20	0	0
3	COIMISIUN	write	198.26	16	0	16	0	0	0	0	0	0	0	0	0	0	16

History examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ACCOUNT	write	481.1838684	55	0	55	0	0	0	0	0	0	0	55	0	0	0
2	PERSON	write	352.6174927	41	0	41	0	0	0	0	0	0	0	0	40	0	1
3	TITLE	write	229.372818	20	0	20	0	0	0	0	0	0	0	20	0	0	0
4	SELECTED	write	221.3382111	20	0	20	0	0	0	0	0	0	0	0	20	0	0
5	NEED	write	65.31775665	8	8	0	0	0	4	4	0	0	0	0	0	0	0
6	FACT	write	61.48780441	8	0	8	0	0	0	0	0	0	0	0	8	0	0
7	READ	write	47.15107727	6	5	1	0	0	0	3	2	0	0	1	0	0	0
8	NAME	write	23.24370766	8	0	8	0	0	0	0	0	0	0	1	7	0	0
9	CHANGES	write	21.69255257	5	0	5	0	0	0	0	0	0	0	3	0	1	1

CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	SPACES	write	139.0084686	13	1	12	0	0	1	0	0	0	0	0	0	2	10
2	ANSWERS	write	115.5931549	10	0	10	0	0	0	0	0	0	0	10	0	0	0
3	SHORT	write	109.9195251	11	0	11	0	0	0	0	0	0	0	11	0	0	0

4	SURE	write	94.45797729	10	10	0	0	0	0	10	0	0	0	0	0	0	0
5	MAKE	write	81.72116852	11	10	1	0	0	10	0	0	0	0	0	0	0	1
6	NUMBER	write	70.78063965	10	0	10	0	0	0	0	0	0	0	0	10	0	0
7	SPEECH	write	66.25306702	7	0	7	0	0	0	0	0	0	0	2	4	1	0
8	EXAMINATION	write	64.92383575	10	0	10	0	0	0	0	0	0	0	10	0	0	0
9	MARKS	write	63.38685608	18	18	0	0	0	0	18	0	0	0	0	0	0	0
10	NAME	write	58.92989349	13	0	13	0	0	0	0	0	0	0	10	3	0	0
11	ARTICLE	write	50.47469711	7	0	7	0	0	0	0	0	0	0	1	6	0	0
12	LETTER	write	46.2124176	6	0	6	0	0	0	0	0	0	0	6	0	0	0
13	PROVIDED	write	44.01796722	6	3	3	0	1	0	1	1	0	0	0	0	0	3
14	QUESTIONS	write	21.63716125	6	0	6	0	0	0	0	0	0	0	6	0	0	0

Mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	EXPRESSION	write	117.518143	12	0	12	0	0	0	0	0	0	0	7	4	0	1
2	SIMPLEST	write	116.388817	14	1	13	0	0	1	0	0	0	0	0	6	0	7
3	ANSWER	write	101.237038	19	7	12	0	4	0	3	0	0	0	10	2	0	0
4	EQUATION	write	90.4786072	15	0	15	0	0	0	0	0	0	0	9	6	0	0
5	USING	write	85.283577	14	14	0	7	1	6	0	0	0	0	0	0	0	0
6	VALUE	write	83.3803711	17	1	16	1	0	0	0	0	0	0	0	16	0	0
7	COS [COSINE]	write	81.5222931	9	1	8	0	0	1	0	0	0	1	0	0	0	7
8	FORM	write	79.4200516	13	2	11	1	0	0	1	0	0	0	0	1	7	3
9	LENGTH	write	68.4468307	13	1	12	1	0	0	0	0	0	0	0	12	0	0
10	FRACTION	write	64.885704	9	2	7	1	1	0	0	0	0	0	0	0	4	3
11	CALCULATOR	write	59.8160591	10	10	0	0	0	6	0	4	0	0	0	0	0	0
12	SINGLE	write	59.6722755	7	1	6	1	0	0	0	0	0	0	0	4	1	1
13	EQUATIONS	write	53.7043037	7	0	7	0	0	0	0	0	0	0	2	5	0	0
14	SIN [SINE]	write	47.7305832	6	0	6	0	0	0	0	0	0	1	0	0	0	5
15	MODE	write	45.2207947	6	0	6	0	0	0	0	0	0	0	0	6	0	0

16	TAN [TANGENT	write	43.5050926	5	1	4	0	0	1	0	0	0	0	0	0	0	4
17	GIVE	write	39.9092407	8	0	8	0	0	0	0	0	0	0	0	0	8	0
18	GIVEN	write	39.9092407	8	8	0	7	1	0	0	0	0	0	0	0	0	0
19	COORDINATES	write	38.3045731	5	0	5	0	0	0	0	0	0	0	0	5	0	0
20	ANGLE	write	37.4568253	7	7	0	1	0	5	1	0	0	0	0	0	0	0
21	SHOWN	write	35.8515816	9	9	0	2	2	0	5	0	0	0	0	0	0	0
22	NUMBER	write	34.4743156	10	6	4	3	3	0	0	0	0	0	0	0	2	2
23	OTHERWISE	write	31.2414436	6	6	0	0	0	0	0	6	0	0	0	0	0	0
24	REASON	write	25.7493706	5	4	1	0	0	0	4	0	0	0	0	0	0	1
25	CIRCLE	write	20.657835	5	5	0	1	2	0	2	0	0	0	0	0	0	0
26	AREA	write	15.536376	5	0	5	0	0	0	0	0	0	0	0	4	0	1

Science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LETTER	write	1286.500488	98	0	98	0	0	0	0	0	0	0	98	0	0	0
2	TABLE	write	438.0226135	47	47	0	1	8	0	2	36	0	0	0	0	0	0
3	EXAMINATION	write	148.3709259	18	0	18	0	0	0	0	0	0	0	18	0	0	0
4	NUMBER	write	126.838028	18	0	18	0	0	0	0	0	0	0	0	18	0	0
5	OPPOSITE	write	82.23362732	7	0	7	0	0	0	0	0	0	0	1	0	6	0
6	EQUATION	write	54.4676857	6	0	6	0	0	0	0	0	0	0	0	6	0	0
7	RIGHT	write	47.18930435	10	10	0	0	0	0	1	9	0	0	0	0	0	0

3. The most significant collocates of *questions* in the six examinations corpora

English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions	1812.723389	190	190	0	34	11	5	138	2	0	0	0	0	0	0
2	FOLLOW	questions	912.6958618	84	0	84	0	0	0	0	0	0	0	83	0	0	1
3	FOLLOWING	questions	510.3701477	61	61	0	1	0	0	11	49	0	0	0	0	0	0
4	CAREFULLY	questions	229.4720459	27	27	0	13	14	0	0	0	0	0	0	0	0	0
5	PIECE	questions	188.7635345	20	20	0	19	1	0	0	0	0	0	0	0	0	0
6	POEM	questions	119.9692535	22	22	0	21	1	0	0	0	0	0	0	0	0	0
7	ANSWERS	questions	94.29212189	11	11	0	0	9	2	0	0	0	0	0	0	0	0
8	PASSAGE	questions	78.38886261	11	10	1	10	0	0	0	0	0	0	0	0	0	1
9	EXTRACT	questions	73.8981781	14	13	1	13	0	0	0	0	0	0	0	0	1	0
10	PAPER	questions	20.65752792	6	6	0	6	0	0	0	0	0	0	0	0	0	0

Geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions	609.5735474	71	71	0	12	3	9	47	0	0	0	0	0	0	0
2	MARKS	questions	537.5855713	53	41	12	3	2	16	20	0	0	0	0	9	0	3
3	ANSWERED	questions	242.6279297	20	0	20	0	0	0	0	0	0	0	0	20	0	0
4	FOLLOW	questions	241.3721771	21	0	21	0	0	0	0	0	0	0	21	0	0	0
5	CHOICE	questions	214.5627441	20	20	0	0	0	20	0	0	0	0	0	0	0	0
6	SECTION	questions	142.0126038	20	20	0	20	0	0	0	0	0	0	0	0	0	0
7	EQUAL	questions	121.8242416	12	0	12	0	0	0	0	0	0	0	9	0	3	0
8	FOLLOWING	questions	46.30636978	9	9	0	0	0	0	0	9	0	0	0	0	0	0
9	NAME	questions	19.90170479	6	0	6	0	0	0	0	0	0	0	2	2	2	0

History examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	FOLLOWING	questions	733.0928955	81	81	0	0	0	0	0	81	0	0	0	0	0	0
2	PICTURE	questions	235.403244	37	0	37	0	0	0	0	0	0	0	19	0	14	4

3	SHORT	questions	205.3191071	19	19	0	0	0	0	19	0	0	0	0	0	0	0
4	STAMP	questions	141.9342041	14	14	0	13	0	1	0	0	0	0	0	0	0	0
5	DOCUMENT	questions	130.1134949	19	0	19	0	0	0	0	0	0	0	19	0	0	0
6	MARKS	questions	115.9396591	19	0	19	0	0	0	0	0	0	0	19	0	0	0
7	NUMBER	questions	113.8290329	14	14	0	1	0	13	0	0	0	0	0	0	0	0
8	EXAMINATION	questions	82.65047455	13	13	0	0	13	0	0	0	0	0	0	0	0	0
9	LEVEL	questions	36.04550934	6	6	0	0	0	6	0	0	0	0	0	0	0	0
10	HISTORY	questions	21.32050514	5	5	0	5	0	0	0	0	0	0	0	0	0	0

CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions	1028.972046	105	105	0	15	24	16	50	0	0	0	0	0	0	0
2	NUMBERED	questions	285.6679993	27	0	27	0	0	0	0	0	0	27	0	0	0	0
3	STUDIED	questions	235.5290527	25	25	0	25	0	0	0	0	0	0	0	0	0	0
4	SECTION	questions	218.0732727	37	0	37	0	0	0	0	0	0	0	20	17	0	0
5	MARKS	questions	139.3441772	34	14	20	0	14	0	0	0	0	0	0	0	0	20
6	POSTER	questions	78.08348083	14	14	0	0	0	7	2	5	0	0	0	0	0	0
7	INCLUDED	questions	46.23768234	7	0	7	0	0	0	0	0	0	0	0	7	0	0
8	ASK	questions	44.94097137	7	1	6	0	0	0	1	0	0	0	0	0	6	0
9	FOLLOW	questions	39.71249771	5	0	5	0	0	0	0	0	0	0	5	0	0	0
10	ANSWERING	questions	36.3782959	6	6	0	0	0	0	6	0	0	0	0	0	0	0
11	PAPER	questions	34.92728806	6	0	6	0	0	0	0	0	0	0	0	6	0	0
12	INFORMATION	questions	27.75425339	6	5	1	1	2	2	0	0	0	0	0	0	0	1
13	WRITE	questions	21.63716125	6	6	0	0	0	0	6	0	0	0	0	0	0	0
14	PAGE	questions	15.9170723	8	8	0	3	3	2	0	0	0	0	0	0	0	0

Mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ATTEMPT	questions	575.3721313	42	42	0	0	0	0	42	0	0	0	0	0	0	0
2	TIME	questions	266.9743347	24	24	0	24	0	0	0	0	0	0	0	0	0	0
3	HOURS	questions	248.7273865	24	24	0	0	0	24	0	0	0	0	0	0	0	0

4	MARKS	questions	124.6679306	17	8	9	0	8	0	0	0	0	0	9	0	0	0

Science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWER	questions	1167.25769	115	115	0	32	6	13	64	0	0	0	0	0	0	0
2	MARKS	questions	415.0958557	42	29	13	0	25	4	0	0	0	0	0	13	0	0
3	SPACES	questions	254.975708	23	0	23	0	0	0	0	0	0	0	0	23	0	0
4	SECTION	questions	201.4674377	33	0	33	0	0	0	0	0	0	0	4	29	0	0
5	PROVIDED	questions	190.8241272	23	0	23	0	0	0	0	0	0	0	0	0	23	0
6	FOLLOW	questions	147.5094757	12	0	12	0	0	0	0	0	0	0	12	0	0	0
7	EQUAL	questions	141.3581543	13	0	13	0	0	0	0	0	0	0	13	0	0	0
8	CARRY	questions	112.894043	13	0	13	0	0	0	0	0	0	13	0	0	0	0
9	FOLLOWING	questions	76.05626678	13	13	0	0	0	0	0	13	0	0	0	0	0	0
10	TEXTILES	questions	52.7923584	7	0	7	0	0	0	0	0	0	0	0	0	7	0
11	PLASTICS	questions	46.10305023	7	0	7	0	0	0	0	0	0	0	7	0	0	0
12	DIAGRAM	questions	40.07787323	15	14	1	0	14	0	0	0	0	0	0	1	0	0
13	USING	questions	27.27704811	6	0	6	0	0	0	0	0	0	2	4	0	0	0
14	TABLE	questions	25.23463821	6	0	6	0	0	0	0	0	0	0	0	2	4	0

4. The most significant collocates of *use* in the six examinations corpora

English examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	ANSWERING	use	247.1206207	18	18	0	0	18	0	0	0	0	0	0	0	0	0
2	GIVEN	use	225.8582916	18	0	18	0	0	0	0	0	0	0	0	18	0	0
3	CORRECT	use	72.38092041	5	5	0	0	0	0	0	5	0	0	0	0	0	0
4	CAPITALS	use	72.38092041	5	0	5	0	0	0	0	0	0	0	5	0	0	0
5	POEM	use	60.84999847	10	0	10	0	0	0	0	0	0	0	10	0	0	0
6	SPELLING	use	60.0211525	5	5	0	0	5	0	0	0	0	0	0	0	0	0
7	PUNCTUATION	use	60.0211525	5	5	0	0	0	5	0	0	0	0	0	0	0	0
8	GRAMMAR	use	60.0211525	5	5	0	5	0	0	0	0	0	0	0	0	0	0
9	EXTRACT	use	51.03742218	8	0	8	0	0	0	0	0	0	0	8	0	0	0

Geography examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	LAND	use	74.38709259	10	9	1	0	0	0	0	9	0	0	0	1	0	0
2	TERMS	use	67.16218567	7	0	7	0	0	0	0	0	0	0	0	7	0	0
3	EXPLAIN	use	41.03001404	8	6	2	4	2	0	0	0	0	0	0	0	1	1
4	PHOTOGRAPH	use	32.96205902	7	2	5	1	1	0	0	0	0	0	2	1	1	1
5	ANSWER	use	28.45559883	7	2	5	0	0	1	0	1	0	0	0	0	4	1
6	DIAGRAM	use	26.42780304	6	0	6	0	0	0	0	0	0	0	5	0	0	1
7	PEOPLE	use	26.07868958	5	4	1	0	0	0	1	3	0	0	1	0	0	0
8	MAP	use	25.70652962	7	1	6	0	0	0	0	1	0	0	3	0	3	0
9	CORRECT	use	22.11739159	7	0	7	0	0	0	0	0	0	0	7	0	0	0

History examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	WISH	use	286.0597	20	20	0	0	0	20	0	0	0	0	0	0	0	0
2	HELP	use	267.9513	20	0	20	0	0	0	0	0	0	0	0	0	20	0

3	HINTS	use	208.5648	20	0	20	0	0	0	0	0	0	0	20	0	0	0

CSPE examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	POSTER	use	38.2164536	6	5	1	0	3	2	0	0	0	0	0	1	0	0
2	NAME	use	28.4050827	6	0	6	0	0	0	0	0	0	0	5	1	0	0
3	PEOPLE	use	21.0971565	5	2	3	0	1	1	0	0	0	0	1	1	1	0

Mathematics examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	STAMP	use	297.4962158	24	0	24	0	0	0	0	0	0	0	0	24	0	0
2	MARK	use	279.2431946	24	0	24	0	0	0	0	0	0	0	0	0	0	24
3	GRAPH	use	260.1138306	33	3	30	0	0	0	3	0	0	0	28	2	0	0
4	USED	use	246.9193878	24	24	0	8	16	0	0	0	0	0	0	0	0	0
5	EXAMINER	use	239.4201813	24	24	0	0	0	0	0	24	0	0	0	0	0	0
6	CENTRE	use	229.5005798	24	0	24	0	0	0	0	0	0	0	24	0	0	0
7	QUESTION	use	214.3761902	24	0	24	0	0	0	0	0	0	0	0	0	24	0
8	SUPERINTENDENT	use	212.7874756	24	24	0	0	0	0	24	0	0	0	0	0	0	0
9	CALCULATOR	use	163.4274445	19	16	3	16	0	0	0	0	0	0	0	3	0	0
10	ESTIMATE	use	144.9638214	16	1	15	0	1	0	0	0	0	0	0	1	14	0
11	DRAW	use	92.36148834	13	8	5	0	0	8	0	0	0	0	0	0	3	2
12	WISH	use	90.62789917	8	8	0	8	0	0	0	0	0	0	0	0	0	0
13	THEOREM	use	81.95671844	7	0	7	0	0	0	0	0	0	0	7	0	0	0
14	PYTHAGORAS	use	81.95671844	7	0	7	0	0	0	0	0	0	0	0	0	7	0
15	DRAWN	use	67.2826004	7	1	6	1	0	0	0	0	0	0	0	5	0	1
16	PART	use	59.26442337	9	0	9	0	0	0	0	0	0	0	0	0	9	0
17	GRAPHS	use	52.17262268	5	0	5	0	0	0	0	0	0	0	5	0	0	0
18	GRID	use	46.47171783	5	0	5	0	0	0	0	0	0	0	5	0	0	0
19	PAGE	use	42.72322845	13	1	12	1	0	0	0	0	0	0	0	8	4	0
20	DIAGRAM	use	41.84814835	8	8	0	0	0	0	0	8	0	0	0	0	0	0

21	TABLES	use	41.52412415	5	0	5	0	0	0	0	0	0	0	1	0	4	0
22	FIND	use	33.06158447	11	0	11	0	0	0	0	0	0	0	0	0	11	0
23	ANSWER	use	18.2397213	5	2	3	0	1	0	1	0	0	0	1	0	0	2
24	CM	use	15.85945129	6	5	1	0	1	0	1	3	0	0	0	0	1	0

Science examinations corpus

N	Word	With	Relation	Total	Total Left	Total Right	L5	L4	L3	L2	L1	Centre	R1	R2	R3	R4	R5
1	GIVE	use	530.4085083	96	95	1	0	0	12	83	0	0	0	0	1	0	0
2	QUESTION	use	339.1315613	63	14	49	12	1	1	0	0	0	2	8	10	24	5
3	NUMBER	use	287.4484253	44	32	12	16	0	16	0	0	0	0	0	6	0	6
4	PAGE	use	199.4440155	47	1	46	1	0	0	0	0	0	1	0	0	44	1
5	NAME	use	164.8041077	57	49	8	4	11	8	12	14	0	0	0	1	2	5
6	MARK	use	141.1554413	18	0	18	0	0	0	0	0	0	0	0	8	10	0
7	EXAMINATION	use	134.6143951	22	16	6	0	16	0	0	0	0	0	0	0	6	0
8	HEADINGS	use	84.01970673	9	0	9	0	0	0	0	0	0	0	9	0	0	0
9	GRAPH	use	82.11660767	14	0	14	0	0	0	0	0	0	1	12	0	1	0
10	BIOLOGY	use	81.64247894	12	1	11	0	0	1	0	0	0	0	0	0	1	10
11	EVERYDAY	use	78.98500824	11	11	0	0	0	0	0	11	0	0	0	0	0	0
12	ESTIMATE	use	60.85541153	7	0	7	0	0	0	0	0	0	0	0	0	7	0
13	SECTION	use	52.30053329	19	0	19	0	0	0	0	0	0	0	10	1	8	0
14	PIECE	use	49.27434921	11	0	11	0	0	0	0	0	0	0	0	11	0	0
15	EQUIPMENT	use	42.52142715	11	0	11	0	0	0	0	0	0	0	0	0	0	11
16	HOME	use	41.6116333	7	0	7	0	0	0	0	0	0	0	0	1	0	6
17	SOFTWOOD	use	38.36822891	6	0	6	0	0	0	0	0	0	0	0	6	0	0
18	FUELS	use	36.04740906	6	1	5	0	1	0	0	0	0	0	0	5	0	0
19	ALLOY	use	34.02889633	5	2	3	0	1	1	0	0	0	0	0	3	0	0
20	DEVICES	use	33.01942444	5	0	5	0	0	0	0	0	0	0	0	0	0	5
21	CENTRE	use	32.46998978	6	0	6	0	0	0	0	0	0	0	6	0	0	0
22	TEXT	use	30.81638336	8	0	8	0	0	0	0	0	0	4	3	0	0	1
23	FOSSIL	use	30.1638298	6	1	5	1	0	0	0	0	0	0	5	0	0	0

24	DEVICE	use	29.32489014	7	0	7	0	0	0	0	0	0	0	0	7	0	0
25	SUITABLE	use	28.60846329	6	5	1	0	0	3	2	0	0	0	0	0	0	1
26	BOOK	use	26.87862206	5	5	0	0	0	0	5	0	0	0	0	0	0	0
27	LED	use	25.74549484	6	0	6	0	0	0	0	0	0	0	0	6	0	0
28	PLASTICS	use	24.67901993	6	4	2	0	4	0	0	0	0	0	2	0	0	0
29	CM	use	23.18725777	5	4	1	1	1	1	1	0	0	0	0	0	0	1
30	FOLLOWING	use	22.0341835	8	0	8	0	0	0	0	0	0	0	0	8	0	0
31	ANSWERING	use	21.3514328	5	0	5	0	0	0	0	0	0	0	5	0	0	0
32	SECTIONS	use	20.81324005	5	0	5	0	0	0	0	0	0	0	0	0	0	5
33	METAL	use	20.52389908	6	0	6	0	0	0	0	0	0	0	0	6	0	0
34	BOX	use	19.60258865	7	0	7	0	0	0	0	0	0	0	4	3	0	0
35	ROUNDED	use	19.43168068	9	2	7	0	2	0	0	0	0	2	4	0	0	1

Appendix E6: Concordance lines of four cross-curricular content words in the six examinations corpora (in bold) together with their significant collocates (in italics).

Cross-curricular word 1: ANSWER

English:

- **Answer** the *questions* which/that follow.
- Explain your **answer** with *reference* to the text/extract/story.
- Support your **answer** by *reference* to the text.
- Give *reasons* for your **answer**.
- Read this *poem* and then **answer** the *questions.*
- You must also **answer** *sections* 1, 2, 3.

Geography:

- **Answer** the *questions* which/that follow.
- Use the pie charts to **answer** the *questions* below.
- You must *return* this paper with your **answer** *book*.
- *Circle* the correct **answer** in each of the statements below.
- Please remember to return your *folder* with your **answer** *book.*

History:

- Answer the following *questions* in a separate **answer** *book.*
- Study the two documents/pictures which accompany this paper and then **answer** the *following questions.*
- Do not include these *pages* with your **answer** *book.*
- You must return this *paper* with your **answer** *book.*
- If you wish, you may use the hints to *help* you in your **answer**.

CSPE:

- **Answer** all of the *questions* in this *section*.
- **Answer** any three *questions* in *section* 2.
- When you have studied [this information brochure/leaflet/newspaper article/postcard/extract etc.] **answer** the *questions* below.
- If you need *extra paper* to **answer** this *question,* please ask the Examination Superintendent for it.
- When you are answering the questions on this *paper*, you are expected to **answer** from the human rights approach of the CSPE course.

Mathematics:

- *Give* your **answer** *correct* to two *decimal places.*
- *Give* your **answer** in its *simplest form.*
- *Give* your **answer** *correct* to the *nearest decimal.*
- *Give* a *reason* for your **answer**.

Science:

- Study the diagram and **answer** the *questions* that follow.
- You must return this *paper* with your **answer** *book* otherwise marks will be lost.
- **Answer** any three *sections* from sections B, C, D, E.
- Give a *reason* for your **answer**.
- Return this section of the examination paper. *Enclose* it in the **answer** *book* you use in answering the other sections.

Cross-curricular word 2: WRITE

English:

- *Section* 2: *Personal writing*: **Write** a *composition* on one of the following topics.
- *Section* 2: *Personal writing*: **Write** a *prose composition* on any one of the following titles.
- **Write** a *letter* of complaint to one of these shops.
- **Write** a *letter* to the editor of a newspaper stating your point of view.
- **Write** a *speech* for or against the motion: 'All teenagers should have to participate in sport'.
- **Write** out a *conversation* between the two animals in Photo 1 of Paper X.
- You have been asked to **write** a *report*/review about your favourite TV programme.
- Look at the picture on Page 1 of Paper X which accompanies this paper and **write** a *composition* inspired by it.

History:

- **Write** an *account* of the growth of the European Union between 1973 and 1992.
- **Write** an *account* of the life of a Serf on a medieval manor.
- **Write** about that *person*.
- **Write** the *title* selected at the top of your account.
- **Write** down one *fact* about the War of Independence in Ireland, 1919-1921/ about the 1916 Easter Rising etc.
- **Write** down the *name* of an important Protestant reformer whom you have studied/one political figure in Ireland after 1945 etc.
- **Write** about changes in two of the following areas since the 1940s: a) Sport and leisure, b) Transport, c) Women's lives.

CSPE:

- **Write** a short *speech* for a school assembly explaining why it is important to celebrate International Women's day.
- **Write** out the welcome *speech* you would make to introduce the Garda to your class.
- **Write** an *article* for your school magazine explaining why Earth Day is important.
- **Write** a *letter* to the Courts Service Information Office asking for a guided tour of the Four Courts for your CSPE class.
- In the space provided, **write** down the *name* of the politician which matches each picture.

- **Write** three *questions* that you would ask in the survey.

Mathematics:

- **Write** down an *expression* in x to represent the cost of 1 gram of the powder.
- **Write** down an *expression* in x for the width of the garden.
- **Write** your *answer* in its simplest form.
- **Write** in its *simplest form* 3x2 . 2x+6 . x(2x . 3).
- **Write** an *equation* in x to represent this information.
- **Write** down the *value* of cos. A as a fraction.
- **Write** down the *length* of the side adjacent to the angle A.
- Without *using* a *calculator* **write** + as a single *fraction.*
- **Write** down the *mode* of the following numbers.

Science:

- **Write** the *letter* Z opposite the function of the fuse in a plug.
- **Write** the *letter* F beside the name of the process by which plants make food.
- In the *table* on the *right* **write** the *letter* A beside the name of each of the two alloys listed.
- **Write** a chemical *equation* for the reaction between the acid and the base.
- **Write** a balanced *equation* for this reaction.

Cross-curricular word 3: QUESTIONS

English:

- Read this *piece/poem* and then *answer* the **questions**.
- Read the *extract carefully* and then *answer* the **questions** which *follow*.
- Read this *passage carefully* and *answer* the **questions** which *follow* it.
- *Answer* two of the *following* **questions**.

Geography:

- Examine the Geological map of Ireland and *answer* the **questions** that follow.
- *Section* 1 (60 *marks*) All **questions** to be *answered*.
- You have an either/or *choice* within three **questions**.
- All **questions** carry *equal marks*.
- *Answer* the **questions** which *follow*: *Name* one city/the country/the river/four features of erosion etc.
- *Answer* three of the *following* **questions**.

History:

- Read documents 1 and 2, which accompany this paper and then *answer* the *following* **questions**: *Document* 1: This is an extract from the Proclamation of the Irish Republic issued by the leaders of the 1916 Rising.

- Study the pictures A, B, C which accompany this paper and then *answer* the *following* **questions**: *Picture* A shows the St. Patrick's Rock, Cashel, Co. Tipperary. What name is given to the type of building marked X?
- *Short-answer* **questions** (20 *marks*)

CSPE:

- *Answer* all of the **questions** in this *section*.
- *Answer* any three of the **questions** *numbered* 1, 2, 3 and 4 below.
- When you have *studied* this *information/poster*, *answer* the **questions** below.
- A blank *page* for the *poster* **questions** has been *included* at the back of this answer book.
- *Write* three **questions** that you would *ask* in this survey.
- Study the *information* carefully and answer the **questions** that *follow*.
- When you are *answering* the **questions** on this paper, you are expected to answer from the human rights approach of your CSPE class.

Mathematics:

- *Time* 2 *hours*: *Attempt* all **questions**.
- Attempt Question 1 (100 *marks*) and four other **questions** (50 *marks* each).

Science:

- *Answer* the/all **questions** in the *spaces provided*.
- Applied Science/Chemistry/Biology/Physics (72 *marks*) There are three **questions** in this *Section*.
- Study the *diagram* and *answer* the **questions** that *follow*.
- *Answer* the *following* **questions** *using* the *table*/on the urinary system/about photosynthesis/about the electrolysis of water etc.
- All **questions** *carry equal marks*.
- *Answer* any one of the **questions**: A (*Plastics*), B (*Textiles*), C (METALS), D (TIMBER) which are on the following two pages.

Cross-curricular word 4: USE

English:

- N.B. In *answering*, you may not **use** the *poem given* on this paper / the *extract given* above as the basis for your answer.
- You will be rewarded for: well-structured answers, clarity of expression, an appropriate tone, good *grammar*, *spelling*, *punctuation* and *correct* **use** of *capitals*.

Geography:

- Look at the pie chart showing *land* **use** in cities.
- Identify and locate two types of urban *land* **use** to be seen on the *photograph*.
- **Use** the *diagram* to *explain* how technology has been used to exploit the bogs.
- *Explain* how you would **use** any two of the instruments to record the weather.
- *Explain* how tourists might **use** this attraction.

- Name and briefly *explain* one way that *people* **use** rivers/coastal areas etc.
- **Use** the *map* to *answer* the following questions.
- **Use** the Ordnance Survey *map* and/or the aerial *photograph* provided to support your answer.

History:

- If you *wish*, you may **use** the *hints* to *help* you in your answer.

CSPE:

- Design a *poster* that you would **use** to encourage young *people* in your school to vote in the mock general election.
- Draw a sketch of a *poster* that you would **use** to raise awareness about Earth Day.
- You may **use** the *name* and title/activity/position etc. only once.
- Write a slogan which you would **use** to encourage *people* to get involved in this campaign.

Mathematics:

- **Use** your *graph* to *estimate* the median/inter-quartile range/maximum height reached by the ball.
- If you *wish* to *draw* a diagram, **use** the next page.
- **Use** the theorem of *Pythagoras* to find the length of the side marked y in the right-angled triangle.

Science:

- *Give* one **use** for this *piece* of *equipment* in the laboratory/this mineral in the human body/this device.
- *Give* one *everyday* **use** of a magnet/periscope/LDR etc.
- *Examination number* - For examiner **use** only.
- *Name* a liquid suitable for **use** in thermometers.
- *Name* a substance you could **use** to show that this liquid was water.
- **Use** the *graph* to calculate the resistance of resistor R shown in the diagram/*estimate* the solubility at 60°C/*estimate* the melting point of lauric acid etc.
- **Use** the *headings* below.

Appendix F: Cross-curricular 4-word clusters in the twelve subject-specific corpora

Appendix F1: Cross-curricular 4-word clusters used across six and five textbooks corpora (with information on total raw frequency, the number of texts in which they occur, and raw frequency in each corpus).

N	Word	Total	Texts	English	Geography	History	CSPE	Maths	Science
1	AT THE END OF	206	23	28	7	39	14	95	23
2	THE END OF THE	201	23	37	11	64	9	63	17
3	EACH OF THE FOLLOWING	482	19	26	115	59	8	248	26

N	Word	Total	Texts	English	Geography	History	CSPE	Maths	Science
1	THE CENTRE OF THE	116	18	9	23	19	0	46	19
2	THE TOP OF THE	83	18	16	10	0	9	17	31
3	THE REST OF THE	83	17	27	5	20	12	0	19
4	AT THE SAME TIME	67	16	13	8	22	0	10	14
5	IN EACH OF THE	72	15	0	10	7	5	40	10
6	AT THE CENTRE OF	34	12	5	7	8	0	8	6
7	OF EACH OF THE	114	12	11	29	23	0	41	10

Appendix F2: Concordances of cross-curricular 4-word clusters (highlighted in italics) which are used across six and five textbooks corpora.

Cross-curricular cluster 1: AT THE END OF

English:

- Explain how the author presented the theme and how it was dealt with *at the end of* the story.
- She is being dead honest *at the end of* the poem.
- I have included some stories *at the end of* the chapter.
- My opinion changed a little bit *at the end of* the extract.
- Rhyme can create a sense of finality *at the end of* stanzas.
- Rhyme: Matching sounds, usually *at the end of* lines.
- Put your main character into a possibly disastrous position *at the end of* a paragraph so your readers have to read on to the next paragraph.
- A question mark should be put *at the end of* every sentence that asks a direct question.
- The first speech marks goes at the beginning of the first word spoken and the second speech marks goes after the punctuation *at the end of* the words spoken.

Geography:

- Farmhouses [...] can dearly be seen on Ordnance Survey maps as black dots *at the end of* passageways and away from river flood-plains.
- The Vikings arrived in Ireland *at the end of* the eighth century and the beginning of the ninth century.
- Fiords were once glaciated valleys, which were drowned by rising sea levels *at the end of* the Ice Age.
- The -low *at the end of* Wicklow and Arklow was the Viking word for flat, low-lying land.

History:

- *At the end of* World War II, the Far East country of Korea was also divided into two.
- *At the end of* World War I, the Paris Peace Conference was held to make the world 'safe for democracy'.
- *At the end of* the nineteenth century it seemed that many Irish people were becoming 'West Britons', uninterested in Irish sports, language or culture and copying English music, sports and fashion.
- Block printing was invented *at the end of* the Middle Ages.
- Mr Aiken was IRA *Chief of Staff at the end of the Civil War.*
- *The burial chamber at the end of* the passage has three alcoves or side chambers.
- The lord of the manor and his wife slept in a private room *at the end of* the hall.

CSPE:

- The 'Take the Self- Test' page *at the end of* each chapter is a good preparation for this section.
- You will find this logo *at the end of* every chapter.
- *At the end of* each chapter of this book there are revision questions.
- Group 4 drew up a list of questions that could be asked *at the end of* the talk.
- What is the goal that the writer talks of *at the end of* her letter?

- When looking at the sample Action Project Reports *at the end of* each unit, refer back to the information given here.

Mathematics:

- Calculate the amount of interest *earned at the end of* the three years.
- *At the end of* the second year, another sum of money was withdrawn.
- In some questions money is repaid *at the end of* a year or a further investment is made at the beginning of the next year.
- He agreed to payoff the loan *at the end of* one year with one payment.

Science:

- This ensures that any difference between them *at the end of the* experiment must be due to the chemical only.
- The symbol S *at the end of* a formula stands for a sulphide.
- *At the end of* each food chain is an animal which eats other animals.
- Place the ticking watch *at the end of* one of the tubes, as shown in the diagram.
- Observe the vaseline and the nails *at the end of* the rods for a few minutes.
- *At the end of* these processes the water is in a form which is safe and suitable for household use.

Cross-curricular cluster 2: THE END OF THE

English – geography – history – CSPE - mathematics: this 4-word cluster is a slight variant of the cluster *at the end of* above and therefore the same concordance lines apply here with the exception of the science textbooks corpus:

Science:

- Cut approximately 1.5 cm off *the end of the* brown live wire.
- Place your finger over *the end of the* straw and remove the straw from the water.
- The substance on *the end of the* match has changed into a new substance and gases have been formed.
- If *the end of the* rope is jerked up and down twice in a second, two waves are produced in this time.
- Place a lit taper to *the end of the* glass tube.
- Finely powder 3 of them using the spoon and *the end of the* test tube holder.

Cross-curricular cluster 3: EACH OF THE FOLLOWING

English:

- Choose a quotation from the poem in answer to *each of the following* questions.
- Agree or disagree with *each of the following* statements and give a reason for your answer in each case.
- Take *each of the following* words or phrases, and state whether they do or do not describe Mr Foster.
- Write another word or phrase for *each of the following*: riddle, liner, catastrophe, discovery, cemetery, exhumed, fragment, extracted, immigrants, in vain.

- Examine the page and complete *each of the following* statements about it.
- Continue *each of the following* four paragraphs.
- In the case of *each of the following* quotations: (a) Who is speaking? (b) What do the words tell you about the speaker?
- For *each of the following* types of functional writing, answer the questions below.

Geography:

- Explain why *each of the following* differences occurs.
- Examine the photograph Figure 5.1 and locate *each of the following*: a roundabout, a heliport, a plantation.
- Give a location for *each of the following*: (i) the castle (ii) semi-detached houses (iii) a bridge iv) a factory.
- Identify and describe the pattern of settlement at *each of the following* locations
- In which tourist region is *each of the following* counties: Donegal, Kerry, Mayo, and Wexford.
- Identify the land-use at *each of the following* grid references
- Identify the type of slope at *each of the following* grid references
- Identify *each of the following* directions: (i) from Rathcormack to Fermoy (ii) from Castlelyons to Rathcormack.
- Suggest an explanation for *each of the following* names on the map: (i) Schoolhouse Lane ii) Bank of Ireland (iii) Custom House Quay.
- Briefly answer *each of the following* questions.
- Explain the difference between *each of the following* pairs of terms
- Explain *each of the following* statements about boreal climate
- Explain *each of the following* terms: (a) swash and backwash (b) longshore drift
- Briefly but clearly explain the meanings of *each of the following* terms: colonialism,' empire,' plantation (in Irish history).
- Study the graph and state whether *each of the following* statements is true or false:
- Indicate the location of *each of the following* features in figure 4: a ship; circular tanks; a blue-roofed house.
- Suggest origins for *each of the following* placenames: Ardmore; Carrick on Shannon;
- What is meant by *each of the following* terms used in this case study?

History:

- Describe the changes that occurred in *each of the following* areas during the twentieth century
- In the case of *each of the following* political developments, give one important reason why it met with strong opposition in Northern Ireland.
- Write a paragraph (15-20 lines) on *each of the following*: (i) the causes of the French Revolution; (ii) Robespierre and the Reign of Terror.
- State briefly the part played by *each of the following* in the Reformation in England: (i) King Edward VI; (ii) Queen Mary (iii) Queen Elizabeth.
- How did *each of the following* cause the Great Famine, 1845-50: (i) rise in population (ii) subdivision of the land (iii) dependence on the potato (iv) potato blight?
- Explain *each of the following* terms: perspective; fresco; portrait.
- Explain what *each of the following* did in Calvin's Geneva: (i) pastors; (ii) teachers; (iii) deacons (iv) elders.

- Describe briefly *each of the following*: (i) gladiator contests; (ii) chariot-racing; (iii) a visit to the theatre (iv) a visit to the baths.
- Write an account of *each of the following* events: (i) The Berlin Blockade, (ii) The Korean War, (iii) The Cuban Missile Crisis.
- Name the leader or leaders of *each of the following* political parties in 1912: (i) Home Rule, (ii) the Liberals (iii) the Unionists.

CSPE:

- Fill in the correct CSPE concept in *each of the following* sentences
- From the poster, select one right for *each of the following* headings
- Explain *each of the following*: a voting machine, a ballot paper, a polling station, a candidate, a vote, a quota.
- Draw an outline map of the world in your copy and mark in two examples of *each of the following*: (a) democracies, (b) dictatorships.
- The purpose of the award is to encourage young people to challenge themselves in *each of the following* four areas of activity
- In *each of the following* situations say which right or rights each person is being deprived of.

Mathematics:

- Without using a calculator, write *each of the following* in surd form:
- Factorise *each of the following*
- Say whether *each of the following* statements are true or false
- Construct accurately, showing all construction lines, *each of the following* triangles, with all dimensions in centimetres
- Find the value of the letter representing the angles in *each of the following* circles.
- Calculate the values of the letters representing the angles in *each of the following* diagrams.
- Find the area of *each of the following* triangles, where the lengths of the sides are in cm.
- Use your calculator to find *each of the following* angles.
- Graph *each of the following* lines
- Draw a histogram to represent *each of the following* grouped frequency distributions
- Solve *each of the following* equations
- Find (i) the mean (ii) the median (iii) the mode of *each of the following* arrays of numbers
- Graph *each of the following* functions in the given domain:
- List the elements of *each of the following* sets

Science: [same with *in each of the*]

- Now measure the voltage as indicated in *each of the following* circuits.
- Give two features of *each of the following* groups of animals: (a) fish; (b) reptiles; (c) mammals.
- Suggest a reason for *each of the following*: (a) Light can be used to power calculators. (b) We cannot see around corners.

Cross-curricular cluster 4: THE CENTRE OF THE

English:

- I moved back to *the centre of the* bench and waited.
- Les goes to *the centre of the* road and waves Briggs across.
- She paused in *the centre of the* hall, as though wondering what to do next.
- What words would you place across *the centre of the* picture to catch your readers' attention?
- The scarecrow would be at *the centre of the* stage.
- If a character is raised up, or at *the centre of the* stage or set, this suggests the character is in control of what is happening.

Geography:

- Draw a line through *the centre of the* photograph from the foreground to the background.
- Remains of castle in *the centre of the* photo.
- The buildings in *the centre of the* photograph and the right foreground differ greatly.
- The sun is a huge star, positioned at *the centre of the* Solar System.
- The sun is the centre of the Solar System.
- Winds blow towards *the centre of the* depression.

History:

- Ptolemy, a Greek who lived in Egypt, had written that the earth was at *the centre of the* universe and that the sun and the other planets circled around it.
- Copernicus, a Polish astronomer, was the first to say that the sun was at *the centre of the* universe.
- Bastille - a large prison fortress in *the centre of the* city.
- Inside the house a stone hearth with a spit was built in *the centre of the* floor.
- Rome was *the centre of the* empire.
- During the Middle Ages, Italy was at *the centre of the* trade routes of Europe

CSPE:

- All students should stand in *the centre of the* room.

Mathematics:

- Theorem: The measure of the angle at *the centre of the* circle is twice the measure of the angle at the circumference, standing on the same arc.
- *The centre of the* circle is 0 and d is a point on the circle.
- It displays the proportions as angles measured from *the centre of the* circle.
- Where necessary, *the centre of the* circle is indicated by 0 and the tangents are indicated by the capital letter T.

Science:

- You will find that the red dye is at *the centre of the* root, i.e. in the xylem.

- The water, coloured by the potassium permanganate, rises up through *the centre of the* flask and then falls down by the sides.
- Float the magnet on a piece of polystyrene in *the centre of the* glass bowl of water.
- Ensure the thermometer is held securely in *the centre of the* ice and does not touch the beaker.
- Punch a hole through *the centre of the* three cards and arrange them with plasticine in front of each other on the bench.
- The hole in *the centre of the* iris is the pupil.

Cross-curricular cluster 5: THE TOP OF THE

English:

- Mrs Foster persuaded the driver to carry her two large cases to *the top of the* steps. Then she paid him off and rang the bell.
- He turned and looked up the steep field to *the top of the* high cliff.
- He was standing with his back to me on *the top of the* dunes, hands on hips, his shirt flapping around him.
- The National Museum's logo is at *the top of the* letter followed by the date.
- All the most important information is at *the top of the* article, not at the bottom.
- The newspaper's title at *the top of the* front page.

Geography:

- Is *the top of the* photograph on the north, south, east or west side of the town?
- Remember, *the top of the* map is north and the bottom is south.
- The bottom of the wave drags on the sea-bed while *the top of the* waves moves forward.
- The swash is usually powerful. It can even push heavy stones to *the top of the* shore.
- Moss peat -lighter peat found near *the top of the* bog - is now exported to 27 countries.

History:

- *The top of the* cross was made to look like a tiny church.
- A flag was flown from *the top of the* theatre to tell people that a performance was on.
- At *the top of the* tower, there were four windows, facing north, south, east and west.
- The Lord and his family lived near *the top of the* keep.

CSPE:

- Say what the petition is about at *the top of the* page.
- The placing of Cavan at *the top of the* chart in the recent survey was to be welcomed.
- I had to clearly type out what the petition was about at *the top of the* sheet.

Mathematics:

- The 'richest' ten people are represented at *the top of the* vertical axis [70-80].
- It is good practice to put the unknown length on *the top of the* first fraction.
- The surface of the water is 11 cm from *the top of the* vessel.

- Calculate the angle of depression to the buoy from *the top of the* cliff, correct to the nearest minute.
- A wire is used to support an antenna 14.4 m tall, joining *the top of the* antenna to a point on the ground 6 m from the base, as shown.

Science:

- Heat the water at *the top of the* test tube.
- While the water at *the top of the* test tube boils, the ice remains at the bottom of the test tube.
- Using a tongs, remove the clock glass from *the top of the* beaker and examine its contents.
- Leave it aside until the ink travels up to *the top of the* chromatography paper.
- *The top of the* jar is covered with a flat stone or a piece of timber.
- Fit a stopper and a single glass tube into *the top of the* boiling tube.
- Fit a drinking straw into *the top of the* bottle and seal with plasticine.

Cross-curricular cluster 6: THE REST OF THE

English:

- *The rest of the* poem makes wishes for her as she grows older.
- You try working out the rhyme scheme of *the rest of the* poem.
- For *the rest of the* poem, the theme of memories is linked to the poet's unhappy experiences.
- How is *the rest of the* story to be organised?
- *The rest of the* article gives more details on this, including quotes from witnesses or people involved in the situation.
- Ireland was transported to a parallel universe for *the rest of the* week.
- *The rest of the* day was a sort of nightmare for her.

Geography:

- The poorest countries are becoming poorer in relation to *the rest of the* world.
- *The rest of the* materials are dragged back down the beach by the backwash only to meet the next incoming wave.
- Use your information and that gathered by the rest of the class to indicate locations of traffic congestion on a map.
- Use your results and those of *the rest of the* class to answer the following questions.
- In Dublin, for example, the crime rate is 3.5 times that in *the rest of the* country.

History:

- In Source B, is Hitler blaming *the rest of the* world for his preparations for war?
- Many nationalists in Dublin and in *the rest of the* country supported the Home Rule Party and the soldiers fighting in the World War.
- Other changes took place gradually over *the rest of the* nineteenth century.
- *The rest of the* crew were freemen attracted by promises of fame, riches and the sight of 'gold-roofed' houses.
- For centuries, Europe has dominated *the rest of the* world.

CSPE:

- *The rest of the* class should act as the community.
- Divide *the rest of the* class into groups.
- One student should act as an observer and report his/her findings to *the rest of the* class.
- Traveller lifestyle and culture, based on a nomadic tradition, sets Travellers apart from *the rest of the* population or 'settled people'.
- The Town Council must support Fairtrade and encourage *the rest of the* community to do so as well.

Mathematics:

- *The rest of the* lead is used to form a cylinder of base radius 12 cm.
- Calculate the time taken by the cyclist for: (i) the first 120 km (ii) *the rest of the* race.

Science:

- Glucose is transported to *the rest of the* plant.
- Phloem cells carry food from the leaves to *the rest of the* plant.
- The heart works like a double pump - one half pumping to the lung and the other half to *the rest of the* body.

Cross-curricular cluster 7: AT THE SAME TIME

English:

- A woman with a tight mouth and eyes said, "Who are you?" and "Go away from here!" *at the same time*.
- However, the use of a rhetorical question varies the writing and makes a relevant point *at the same time*.
- It's almost impossible to text and pay attention *at the same time*.
- *At the same time*, you need to show that you feel very strongly about what you are saying.

Geography:

- *At the same time* one plate is forced under the other and it sinks down into the intensely hot mantle and melts.
- *At the same time*, people from richer countries such as Ireland gain valuable experience while employed in aid projects abroad.
- These are called multinational companies, because they operate in several nations *at the same time.*
- These two processes continue *at the same time.*
- The daily movement of working people to and from the same parts of a city *at the same time* contributes to serious traffic congestion.

History:

- Ireland, which applied to join the EEC *at the same time*, was rejected as well.
- *At the same time*, a German invasion fleet landed at ports along the Norwegian coast from Oslo in the south to Narvik in the north.

- *At the same time*, the collapse of the Soviet Union presents new challenges.
- *At the same time*, the political gap between North and South widened as the sole bond, the link with the Commonwealth was broken.

CSPE:

- "It was impossible to take notes in the beginning because everyone was talking *at the same time*," she said.
- We belong to many communities *at the same time*.
- Role play: One family disagreement could be over two family members wanting to watch two different television programmes that are on *at the same time*.

Mathematics:

- Two ships G and H sailed from the same port *at the same time*.
- A second cyclist started the race *at the same time* as the first cyclist.
- Solving a pair of simultaneous linear equations means finding the values of x and y that make both equations true *at the same time*.

Science:

- Plant all the seeds *at the same time* and note the date.
- Weigh each plant every day, *at the same time*, for about a week.
- *At the same time* overwatering should be avoided.
- One batch of plants would be sprayed with the chemical while, *at the same time*, another batch of similar plants would be sprayed with an equal amount of water.
- Carbon dioxide and water vapour pass out of the blood into the alveoli *at the same time*.

Cross-curricular cluster 8: IN EACH OF THE

English:

- *In each of the* three quatrains, (lines 1-4, 5-8 and 9-12), the poet compares himself with something.
- Describe what you are told about them *in each of the* three stanzas.
- Write a brief physical description of the people you would cast *in each of the* following roles: Jane, Miss Temple, Mr Brocklehurst.
- Write to the director, explaining to him or her which actresses you would cast *in each of the* three main female roles.

Geography:

- Based on your study of this chapter, tick the correct box *in each of the* following sentences.
- What percentage of the population is aged 60 and over *in each of the* three countries?
- With the aid of your atlas, identify the main rock type found *in each of the* following locations
- Identify the farm activities, machines or other items shown *in each of the* photographs.
- Identify the settlement pattern *in each of the* map extracts labelled A, Band C.

- Write a brief summary of what you think weather conditions would be like *in each of the* places labelled A, Band D on the satellite photograph.

History:

- Describe the changes that occurred *in each of the* following areas during the twentieth century: (a) transport; (b) communications; (c) housing; (d) leisure and entertainment; (e) services (e.g. shops, hospitals, schools).
- Show how technological developments have influenced changes in Ireland *in each of the* following areas during the twentieth century
- Write about the achievements of the Cumann na nGaedheal governments, 1923 to 1932, *in each of the* following areas

CSPE:

- The purpose of the award is to encourage young people to challenge themselves *in each of the* following four areas of activity
- You just have to take on a challenge *in each of the* four areas and stick with it for the time period set by Gaisce.
- List one error that you can find *in each of the* wrong statements.
- Fill in the correct CSPE concept *in each of the* following sentences

Mathematics:

- Calculate the value of the letter representing the angle *in each of the* following diagrams (arrows indicate parallel lines)
- Name the shaded region *in each of the* following Venn diagrams
- Calculate the length of the missing side *in each of the* following right-angled triangles
- *In each of the* following questions, round off each number to its nearest whole number

Science:

- Place a clean chicken bone *in each of the* beakers.
- Place a small amount of cotton wool *in each of the* test tubes.
- Now measure the voltage as indicated *in each of the* following circuits.
- What type of bond occurs *in each of the* following: (a) water, (b) magnesium oxide, (c) methane?
- In *each of the following* circuits use resistors instead of lamps.
- What is the main food type *in each of the* following: bread; cream; fish; apple; cornflakes; lemon; liver; chicken; butter.

Cross-curricular cluster 9: AT THE CENTRE OF

English:

- The figure *at the centre of* this city landscape is discontented and the silence and stillness are unappealing.
- This student decided to put an old man *at the centre of* her story.
- The scarecrow would be *at the centre of* the stage.
- Imanaka was a Jon Frum village - there was the red cross, in wood, *at the centre of* the lopsided woven huts. A cargo cult flourished within.

Geography:

- They blow towards the low-pressure area *at the centre of* the depression.
- Pressure is highest *at the centre of* each anticyclone.
- The sun is a huge star, positioned *at the centre of* the Solar System.
- *At the centre of* the town is a shopping complex which includes supermarkets, bars and general shops.

History:

- After World War II Europe was no longer *at the centre of* world power and influence.
- Ptolemy, a Greek who lived in Egypt, had written that the earth was at *the centre of the* universe and that the sun and the other planets circled around it.
- Copernicus, a Polish astronomer, was the first to say that the sun was at *the centre of the* universe.
- Rome was *the centre of the* empire.
- During the Middle Ages, Italy was at *the centre of the* trade routes of Europe.
- A village was located *at the centre of* each manor.

CSPE:

- The Constitution is *at the centre of* politics in Ireland.
- ALARA (As Low As Reasonably Achievable) is *at the centre of* nuclear safety.
- *At the centre of* activities in the parochial hall is the renowned drugs treatment group that provides stabilisation facilities for those fighting addiction to hard drugs.

Mathematics:

- Theorem: The measure of the angle *at the centre of* the circle is twice the measure of the angle at the circumference, standing on the same arc.
- Angle 2 is *at the centre of* the circle.

Science:

- You will find that the red dye is *at the centre of* the root, i.e. in the xylem.
- The Sun lies *at the centre of* the Solar System, which includes the planets and many other bodies moving around the Sun under its gravitational pull.
- *At the centre of* each atom lies the nucleus.

Cross-curricular cluster 10: OF EACH OF THE

English:

- Name one writer *of each of the* above nationalities from the book.
- Tri was the Greek word for three. Place it in front *of each of the* following words and then write a dictionary definition of the new word you have made.
- Quotations from the story In the case *of each of the* following quotations, explain what is happening and who is being spoken about.
- Your job is to rewrite the menu, placing two unappetising adjectives in front *of each of the* eight nouns.
- Write three of your own examples *of each of the* following nouns: (a) proper (b) common (c) collective (d) abstract.

Geography:

- Identify and locate evidence *of each of the* three functions mentioned on this page.
- Identify the location *of each of the* following: i) a wide bridge (ii) a chimney stack (iii) a beach iv) cranes.
- Calculate the area *of each of the* following
- Describe briefly but clearly the meaning *of each of the* following terms: bilateral aid; multilateral aid; emergency aid;
- Give at least one example *of each of the* types of settlement described below.
- Indicate the location *of each of the* following features in figure 4: a ship; circular tanks; a blue-roofed building.
- Find out the meanings *of each of the* terms underlined.

History:

- Write an account *of each of the* following events: (i) The Berlin Blockade, (ii) The Korean War, (iii) the Cuban Missile Crisis.
- Describe the contribution *of each of the* following to the agricultural revolution: (i) Charles Townsend (ii) Robert Bakewell (iii) Jethro Tull (iv) Andrew (v) Meikle Arthur (vi) Young Thomas Coke.
- Give the role *of each of the* gods you listed.
- Write a brief description *of each of the* following types of Bronze Age monuments: (i) stone circles, (ii) standing stones, (iii) stone alignments.

CSPE:

- Find out the names of the party leaders *of each of the* parties in the previous Activity.
- Describe the work *of each of the* three main institutions.
- Draw an outline map of the world in your copy and mark in two examples *of each of the* following: (a) democracies, (b) dictatorships.

Mathematics:

- Find the area *of each of the* following triangles, where the lengths of the sides are in cm:
- Find the slope *of each of the* following lines
- By taking the data at mid-interval values, calculate the mean *of each of the* following grouped frequency distributions.
- Find (i) the mean (ii) the median (iii) the mode *of each of the* following arrays of numbers
- Construct the bisectors *of each of the* following angles:
- Find the factors *of each of the* following numbers

Science:

- Try to ensure the surface area *of each of the* metals is similar so that it will be a fair test.
- Place 1 measure *of each of the* following into each test tube: A. sodium carbonate, B. calcium hydroxide, C. soap flakes, D. salt
- Use the Periodic Table to find how many protons and electrons there are in an atom *of each of the* following elements: lithium, magnesium, carbon, oxygen, gold, silver, lead, hydrogen, iron and sodium.
- If you were to eat nothing else that day, how many grams *of each of the* foods you have chosen would you have to eat to give you enough energy for the day?

Appendix F3: Cross-curricular 4-word clusters used across six and five examinations corpora (with information on total raw frequency, the number of texts in which they occur, and raw frequency in each corpus).

N	Word	Total	Texts	English	Geography	History	CSPE	Maths	Science
1	REASON FOR YOUR ANSWER	82	33	20	3	2	2	26	29
2	OF ONE OF THE	30	18	2	1	19	3	2	3
3	WHAT IS THE NAME	22	18	5	3	1	3	1	9

N	Word	Total	Texts	English	Geography	History	CSPE	Maths	Science
1	GIVE A REASON FOR	80	31	22	0	1	4	22	31
2	TWO OF THE FOLLOWING	126	31	52	7	54	1	0	12
3	AT THE END OF	56	30	6	0	5	10	33	2
4	EACH OF THE FOLLOWING	77	30	0	23	3	5	13	33
5	ONE OF THE FOLLOWING	123	30	58	13	47	1	0	4
6	THE END OF THE	39	28	9	0	1	10	17	2
7	THE NAME OF THE	90	28	33	3	4	17	0	33
8	GIVE TWO REASONS WHY	79	26	6	3	59	5	0	6
9	ANSWER THE FOLLOWING QUESTIONS	77	25	4	6	51	0	3	13
10	AND ANSWER THE QUESTIONS	65	24	25	18	2	5	0	15
11	ANSWER THE QUESTIONS THAT	53	22	23	12	1	7	0	10
12	THE QUESTIONS THAT FOLLOW	53	22	23	12	1	7	0	10
13	IN YOUR ANSWER BOOK	45	18	1	2	31	0	1	10
14	THE TOP OF THE	41	18	1	0	4	32	3	1

Appendix F4: Concordances of cross-curricular 4-word clusters (highlighted in italics) which are used across six and five examinations corpora.

Cross-curricular cluster 1: REASON FOR YOUR ANSWER

English:

- Do you agree with the poet's view in the above two lines? Give a *reason for your answer*.
- Which of the two characters would you like to play? Give a *reason for your answer*.
- In your opinion, which logo is better? Give a *reason for your answer.*
- Do you think it is a good poem? Give a *reason for your answer.*

Geography:

- At what time of year was this photograph taken? Explain one *reason for your answer*.
- Using evidence from the photograph, give one *reason for your answer*.

History:

- Do you think that Sean behaved stupidly or cleverly in this extract? Give one *reason for your answer*.
- True or false? Tick the correct box and give a *reason for your answer*.

CSPE:

- State whether you think this campaign was successful or not. Give ONE *reason for your answer.*
- Put a tick in the box next to the answer that you think is correct. Give ONE *reason for your answer.*

Mathematics:

- Write down the area of the parallelogram pqrs. Give a *reason for your answer*.
- Write down the length of [km], giving a *reason for your answer*.
- Name one isosceles triangle, giving a *reason for your answer*.
- Name a triangle congruent to the triangle acd. Give a *reason for your answer.*

Science:

- Is the water in test tube B hard or soft? Give a *reason for your answer.*
- Which test tube, A, B or C, contained an acid? Give a *reason for your answer.*
- Name the ionic substances in the table. Give a *reason for your answer.*
- Is sulphur oxidised or reduced in this reaction? Give a *reason for your answer.*
- Which solid has the lowest density? Give a *reason for your answer.*

Cross-curricular cluster 2: OF ONE OF THE

English:

- Write a modern version *of ONE of the* following: • Little Red Riding Hood OR • The Three Little Pigs OR The Emperor's New Clothes OR Any other fairytale.
- You are surprised or upset by the behaviour *of one of the* characters in a novel or short story you have studied. Explain why such behaviour caused you to be surprised or upset.

Geography:

- In the case *of one of the* named poorer regions, describe two reasons why it is poor.

History:

- Write an account *of one of the* following topics: (i) Causes of the American War of Independence, (ii) The Reign of Terror in France, (iii) Reasons for the Failure of the 1798 Rebellion in Ireland.
- Write an account *of one of the* following military operations from World War II
- Give the name *of one of the* plantations that you have studied.

CSPE:

- Write a letter to the Ambassador *of one of the* countries that sent troops to fight in the war.
- Each of the descriptions given below describes the work *of ONE of the* organisations listed above.
- The following photographs show people who hold, or have held, leadership *of one of the* four political parties listed below.

Mathematics:

- Calculate the length *of one of the* semi-circular ends, correct to the nearest metre.

Science:

- Enter 'A' into the appropriate circle *of one of the* meter symbols in the circuit diagram so as to clearly identify its correct position.
- State how you would show the presence *of one of the* products of aerobic respiration by means of a chemical test.
- Give the function *of one of the* tissues you have named.

Cross-curricular cluster 3: WHAT IS THE NAME

English:

- *What is the name* of the person giving his support to this product, as shown in the advertisement?
- *What is the name* of the island Tom went to?
- *What is the name* of the book/magazine being advertised?
- *What is the name* of the most famous painting on planet Earth?

Geography:

- *What is the name* given to the slabs of limestone at X? What is the name given to the deep weathered gaps between them at Y?
- *What is the name* given to the slabs of limestone at X?
- *What is the name* given to a diagram such as this?

History:

- In picture C2, *what is the name* of the well-known politician marked Y?

CSPE:

- *What is the name* given to a local authority that is in charge of a county?
- *What is the name* of the organisation concerned with the environment?
- *What is the name* of the song that U2 wrote about Aung San Suu Kyi?

Mathematics:

- *What is the name* given to a line, such as the line L, that touches the circle at one point only?

Science:

- *What is the name* given to the separation technique shown in the diagram above?
- *What is the name* the piece of equipment shown on the right.
- *What is the name* given to this type of reaction?
- *What is the name* of the group seven elements?

Cross-curricular cluster 4: TWO OF THE FOLLOWING

English:

- Answer (any) *two of the following* questions.
- Explain any *TWO of the following* in your own words.

Geography:

- Explain *TWO of the following* terms.
- With reference to *two of the following* factors explain their role in soil formation.
- Explain how *TWO of the following* might help to ease the problem of global warming.

History:

- Write an account of *two of the following*: (a) The Easter Rising, 1916. (b) The Anglo-Irish Treaty, 1921.
- Answer *two of the following questions* A, B, C, D.
- Explain *two of the following* terms relating to Italy under Mussolini, 1922-1939

CSPE:

- *TWO of the following* organisations are part of the European Union. Put a tick in the box opposite the two you think are correct.

Mathematics: ---

Science:

- Answer any *two of the following*, (a), (b), (c).

Cross-curricular cluster 5: AT THE END OF

English:

- In your answer, you might wish to consider some of the following; the feelings you were left with *at the end of* the play, the outcome of the issues raised during the play, how you were affected by what happened to the characters, if the ending was shocking or unexpected, etc.
- Imagine that Marcus comes on stage to speak *at the end of* this extract.
- Things got worse and *at the end of* the three weeks I said goodbye to the place.
- Explain what happened to this character *at the end of* the novel or short story.

Geography:

- Wind speed reached its fastest *at the end of* the 24 hour period.

History:

- Give one reason why there was division in Europe *at the end of* World War II.
- Mention one part of the country which was bombed *at the end of* 1940.

CSPE:

- Hand up this paper *at the end of* the examination.

Mathematics:

- What is the amount of the investment *at the end of* the first year?
- Calculate the total interest earned *at the end of* the two years.
- *At the end of* the third year the amount of the investment was €851.76.

Science:

- Would you expect to find the soil in A or B *at the end of* the experiment?
- Only 79 cm3 of gas remained *at the end of* the experiment.

Cross-curricular cluster 6: GIVE TWO REASONS WHY

English:

- From your reading of the passage *give two reasons why* the Tidy Towns Competition has been successful?
- *Give two reasons why* you liked this poem/character.

Geography:

- *Give two reasons why* life expectancy is higher in countries of The First World.
- *Give TWO reasons why* Ballina originally developed at this location.
- *Give TWO reasons why* traffic congestion happens so often in our towns and cities.

History:

- *Give two reasons why* Mussolini's fascist party gained support in Italy after 1919.
- *Give two reasons why* the Renaissance began in Italy.
- *Give two reasons why* Germany was defeated in World War II.

CSPE:

- *Give TWO reasons why* there are fewer women than men in politics in Ireland.
- *Give TWO reasons why* famine still occurs in parts of Africa today.
- In the course of your paragraph you should *give TWO reasons why* it is important to save energy.

Mathematics: ---

Science:

- *Give two reasons why* air spaces are important in soil.
- *Give two reasons why* Earth can support life.
- *Give two reasons why* the groups of organisms living together can vary greatly from one part of a habitat to another.