EDL Core Vocabularies in Reading, Mathematics, Science, and Social Studies

A Revised Core Vocabulary

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Core Vocabulary for Mathematics, Grades 1-6

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Core Vocabularies for Science and Social Studies

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Foreword

EDL's purpose in developing and publishing core vocabularies is to improve the readability of instructional materials. Vocabulary load is acknowledged as the major factor in determining readability. EDL's vocabulary lists will provide teachers, authors, and researchers with word lists to be used in the writing and evaluation of instructional materials.

HISTORY

EDL's involvement in the development of core vocabularies extends over three decades.

- The reading core vocabulary dates back to 1949 with the publication of *Basic Vocabulary*¹ by the Washington Square Reading Center, EDL's parent organization. This vocabulary was subsequently revised in 1951,² 1955,³ and 1969.⁴
- The mathematics core vocabulary was published in 1975.5
- The science and social studies lists were developed in 1978 and are now being published for the first time.

This publication brings together the reading, mathematics, science, and social studies lists into one volume. Further, it includes grade-by-grade lists for reading, a cumulative alphabetical list, and an adult word list appropriate for adults reading at low levels.

A full explanation of the origin and organization of the vocabularies is found in the Appendix.

EDL READING CORE VOCABULARY

The EDL Reading Core Vocabulary is composed of words introduced in the more widely used basal reading series and/or found on frequency lists. Its sources are described in detail in the Appendix.

There are 14 **graded** lists for levels from pre-primer through 13. Each list is arranged in alphabetical order and includes only the words introduced on the specified grade level. However, it is assumed that students already know the words contained in all of the lists for the preceding levels.

The **cumulative** list contains all of the words used in grades preprimer through 13, arranged alphabetically, and indexed as to grade level. A number (or P for pre-primer) is placed before each word in this list to indicate the level at which the word is introduced.

EDL MATHEMATICS CORE VOCABULARY

The mathematics core vocabulary is based on two doctoral dissertations. The purpose of these dissertations was to compile an inventory of the frequency of use of modern mathematical terms in commonly used basal mathematics series. The availability of these word lists enables the mathematics teacher to provide instruction in mathematics terms according to their frequency and importance. One list contains words introduced in grades 1-3, a second list contains words introduced in grades 4-6.

EDL SCIENCE AND SOCIAL STUDIES CORE VOCABULARIES

The science and social studies lists are based on frequency of occurrence in glossaries of words found in the major textbook series. Since the understanding of vocabulary and concepts goes hand-in-hand in content area learning, these lists enable teachers and writers to develop vocabulary exercises with words appropriate for the various grade levels.

A science list and a social studies list are provided for each of grades 3, 4, 5, and 6.

HOW TEACHERS CAN USE THE WORD LISTS

Teachers will find a variety of uses for the word lists:

Readability levels of instructional materials can be determined. If more than 10 percent of the total vocabulary is above the student's reading level, the teacher should plan to aid the student in reading the material.

Informal inventories can be developed to assess a student's instructional level in reading or in a content area.

The student is asked to read through a graded list of words. The student should know 90 percent or more of the words on a given level in order to be considered qualified to work independently in materials written at that level.

Vocabulary improvement exercises can be based on a given word list. The teacher can create dictionary activities, sentencewriting activities, context-clue exercises, and other kinds of exercises to improve students' understanding of word meaning and usage.

The readability of teacher-made lessons can be checked against the word list for the intended instructional level of the materials. After the above-level words in a lesson have been identified, the teacher can either rewrite the lesson or pre-teach the words in question

HOW WRITERS CAN USE THE WORD LISTS

Writers of instructional materials, childrens' stories, or trade books can use the word lists to ensure that these materials can be read independently by students in the intended target audience. (Books to be read to children by parents might be exempted from this procedure.) First, the writer must determine the grade level of the target audience. The vocabulary level of words used can be checked against the Core Vocabulary either during or after the writing of the first draft. Above-level words should be marked by circling or highlighting. Each above-level word should be considered individually. Words that are critical to the presentation of key concepts can be explained with various types of context clues (synonyms, opposites, direct explanation, etc.). Other words can be eliminated. The writer can refer to the graded lists for possible synonyms or for simpler ways of presenting the concepts.

'Stanford E. Taylor, Basic Vocabulary. New York: Washington Square Reading Center, 1949.

²Earl A. Taylor, Stanford E. Taylor, and Helen Frackenpohl, *Basic Vocabulary* (Second Edition). Levittown, New York: Educational Developmental Laboratories, Inc., 1951

Stanford E. Taylor and Helen Frackenpohl, *Basic Vocabulary* (Third Revision). Huntington, New York: Educational Developmental Laboratories, Inc., 1955. Stanford E. Taylor, Helen Frackenpohl, and Catherine E. White, *A Revised Core Vocabulary*. New York: Educational Developmental Laboratories, Inc., 1960, 1969.

Betty Willmon Nieroroda and Carole Livingston Browning, Core Vocabulary for Mathematics, Grades 1-6. New York: Educational Developmental Laboratories, Inc., 1975.

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Contents

EDL READING CORE VOCABULARY— ADULT WORD LIST	<u> </u>
EDL READING CORE VOCABULARY— GRADED LISTS	4
EDL READING CORE VOCABULARY— CUMULATIVE LIST	_43
EDL MATHEMATICS CORE VOCABULARY FOR GRADES 1-3 AND 4-6	_ 69
EDL SCIENCE CORE VOCABULARY FOR GRADES 3, 4, 5, AND 6	_77
EDL SOCIAL STUDIES CORE VOCABULARY FOR GRADES 3, 4, 5, AND 6	_81
APPENDIX—ORIGIN AND ORGANIZATION OF THE VOCABULARY LISTS	_ 85

_ EDL Reading Core Vocabulary—Adult Word List ____

The aural vocabulary of adults reading at very low levels is usually higher than their reading vocabulary. Therefore, if instruction is delivered through audio cassettes or teacher lecture, the following word list should be used rather than the lists that appear on pages 4-11. The number or letter which preceeds each word indicates the reading level, from Readiness through Level 3, most appropriate for the introduction of the word. Once a word is introduced, it can be used in all subsequent levels.

\boldsymbol{A}	3 appear 3 application	3 became 1 because	3 bowl 1 box	3 carrier 2 carry	3 collar 3 collect	D
~	3 application 3 apply	3 become	1 box 1 boy	2 carry 3 case	3 college	2 D]
Ra	1 are	R bed	2 brave	R cash	2 color	2 Dad
2 able	2 arm	1 been	3 bread	1 catch	1 come	3 damage
R about		1 been 1 before	1 break	3 cattle	3 comfortable	2 dance
2 above	3 army		2 breakable		3 community	1 danger
1 accident	1 around	1 began	3 breathe	2 caught	,	3 dangerous
1 across	3 arrest	3 begin	3 brick	1 cause	2 company	3 dare
2 act	3 arrive	2 behind	2 bride	2 cave	3 condition	2 dark
3 action	2 arrow	2 believe		1 cent	3 control	2 date
2 add	1 as	2 bell	3 bridge	3 center	2 cook	3 daughter
3 address	3 ashamed	2 belong	2 bright	3 certain	2 cool	R day
3 admit	R ask	3 below	1 bring	1 chair	3 cord	1 dead
R ads	R at	2 beside	2 broke	3 challenge	2 corn	3 deal
3 adult	3 ate	1 best	2 broken	3 champion	1 corner	2 dear
3 adventure	2 atom	1 bet	2 brook	2 chance	1 cost	2 death
2 afford	3 attack	1 better	2 brother	1 change	3 cough	3 debt
1 afraid	2 attention	2 between	2 brought	3 charge	1 could	3 decide
1 after	2 attract	2 bicycle	3 bucket	3 chase	3 count	3 deck
2 afternoon	2 attractive	1 big	2 building	3 cheap	1 country	2 deep
1 again	2 August	R bill	3 built	3 cheat	3 county	3 degree
2 against	3 aunt	2 birds	3 bulb	R check	3 couple	3 delicious
2 age	2 auto	3 birth	2 bullets	3 cheek	3 courage	3 deliver
3 agency	1 away	3 bit	3 bunch	3 cheer	2 course	3 dent
2 ago		3 bite	2 burn	3 cheese	3 court	3 depend
3 aim	\boldsymbol{B}	2 black	3 burst	3 chew	1 cover	3 dept.
2 air		3 blank	3 bury	2 chicken	2 cow	3 desert
2 airport	3 baby	3 blanket	R bus	3 chief	2 cowboy	2 desk
2 aisle	1 back	3 blaze	3 business	3 chest	2 cowgirl	3 destroy
R all	1 bad	3 bleed	2 busy	R child	3 crack	3 detective
2 alley	1 badly	3 bless	1 but	R children	3 crackle	3 dial
3 allow	2 bag	2 blew	3 butter	3 church	1 crashed	3 diamond
2 almost	3 baggage	2 block	R buy	3 citizen	2 crazy	R did
2 alone	3 bait	2 blood	1 by	1 city	3 cream	R didn't
3 already	2 bake	2 blow		1 class	3 credit	2 die
2 also	1 ball	3 blue	\boldsymbol{C}	1 clean	3 crew	3 difference
2 although	2 balloon	1 board		2 clear	3 crime	3 different
1 always	3 band	3 boast	2 cabin	3 clever	3 criminal	3 difficult
•	1 bank	3 boat	2 cake	2 cliff	3 crop	2 dig
1 am 2 America	2 bar	2 body	2 calf	2 climb	1 cross	3 diner
	1 bargain	2 bomb	1 call	3 clinic	2 crow	3 dinner
2 American	3 bark	3 bone	3 calm	2 clock	3 crowd	
3 amount	3 barrel	1 book	1 came	3 closet	3 cruel	2 diploma 3 direction
1 an	1 base	3 booth	2 camera	2 cloth	2 cry	
3 anchor	1 baseball	3 bored	3 camp	1 clothes	2 cup	1 dirt
R and	2 basket	2 born	R can	3 cloud	3 curb	1 dirty
2 angry	3 bath	2 borrow	3 cancer	3 club	3 cure	3 disappoint
2 animal		2 boss	3 candy	3 coach	3 curtain	3 discharge
3 ankle	3 battle	2 both	R can't	2 coal	3 customer	3 discover
2 answer	1 be	2 bother		2 coat	2 cut	
1 any	3 beach		2 captain			
1 anyone	2 bear	3 bottom	1 car	2 coffee	3 cute	
1 anything	2 beat	2 bought	2 card	3 coin		
2 apartment	2 beautiful	3 bounce	1 care	1 cold		

. EDL Reading Core Vocabulary—Adult Word List _____

3 disease	3 election	3 female	2 fresh	2 grow	3 honor	2 jeans
2 dish	2 electric	2 fence	3 Friday	3 growl	3 hood	2 jet
3 disturb	3 electricity	2 few	R friends	3 guard	3 hook	R jobs
3 dizzy	2 eleven	2 field	1 from	2 guess	2 hop	3 join
R do	2 else	2 fifty	2 front	3 guide	1 hope	1 jokes
3 dock	3 employment	1 fight	2 frozen	2 gun	2 horse	3 judge
R doctor	2 empty	3 figure	2 fruit	3 guy	R hospital	1 jump
1 does	2 end	2 fill	2 full	0 0	1 hot	1 June
2 dog	3 enemy	2 final	3 fumes	H	1 hour	2 junk
2 doll	2 engine	2 finally	1 fun		1 house	1 just
1 dollar	3 enjoy	1 find	2 fur	R had	1 how	,
1 done	1 enough	2 fine	3 furniture	2 hair	3 human	K
1 don't	2 enter	3 finger	3 fuse	2 half	2 hundred	
1 door	1 escape	2 finish		2 hall	3 hung	1 keep
1 down	3 Europe	1 fire	$oldsymbol{G}$	1 hand	2 hungry	2 kept
3 dozen	2 even	2 fireplace		3 handle	2 hunt	2 kill
2 Dr.	2 evening	1 first	3 gain	R happened	1 hurry	1 kind
3 drank	1 ever	2 fish	3 gamble	1 happy	1 hurt	2 king
3 draw	R every	2 fist	1 game	1 hard	2 husband	2 kitchen
3 dream	3 except	1 five	2 gang	3 hardship		3 knee
3 drew	3 except	1 fix	1 garbage	1 has		3 kneel
3 drift	3 excitement	3 flag	1 gas	2 hat	I	1 knew
1 drink	1 exit	3 flat	2 gate	3 hatch		3 knife
1 drive	3 expect	2 flame	1 gave	3 hate		2 knock
3 driven	3 experimental	3 flash	3 general	R have	RI	3 knot
1 drop	3 explain	2 flew	R gets	R he	2 ice	R know
1 drove	3 extra	2 floor	3 ghost	1 head	3 idea	2 known
3 drown		3 fly	2 giant	3 heal	1 if	2 KHOWH
1 drug	1 eye	2 flying	1 girl	1 health	R I'll	$m{L}$
3 drunk	$oldsymbol{F}$		1 give	1 hearth 1 hear	3 illness	L
3 dry	ľ	2 fog 2 fold	2 given	2 heard	1 I'm	2 lady
2 duck	o f-1-1-		2 glad	2 heart	3 imagine	1 land
2 duck 3 due	2 fable	3 folks	2 glau 3 glance	1 heat	3 imagination	1 landlord
3 due 3 dug	1 face	2 follow	•		1 important	2 large
-	3 fact	R food	2 glass	2 heavy	R in	1 last
2 dumb	3 factory	2 fool	2 glove	2 height	3 inches	2 later
3 during	3 faint	2 foot	R go	2 held	2 Indian	
2 dust	2 fair	R for	3 God	2 hello	3 infection	1 laughed
3 duty	1 fall	3 force	R goes	R help	3 instead	2 laughable 3 law
\boldsymbol{E}	1 family	3 foreman	2 gold	1 her	3 insurance	
Ŀ	3 famous	2 forest	2 gone	1 here	3 interest	2 lay 3 lead
0 . 1	2 fan	R forget	R good	2 herself	R into	
2 each	1 far	R forgot	R got	2 hid	3 inveni	R learn
2 ear	2 farm	3 forgotten	2 govern	1 hide	3 invention	3 least
2 early	2 farmer	3 form	2 government	2 high	3 inventor	3 leather
2 earn	1 fast	2 fort	2 grab	2 highest	R is	1 leave
2 earth	3 fasten	3 forty	3 grand	2 hill	2 island	2 led
3 east	3 fat	3 forward	2 grass	1 him	R isn't	1 left
1 easy	1 father	3 fought	3 gravy	2 himself	R it	2 legs
1 eat	3 fault	2 found	2 gray	3 hip	2 itself	3 lemon
3 edge	2 fear	2 four	2 great	2 hire	a mon	3 lend
2 egg	3 feed	3 fourth	2 green	R his	γ	
2 eight	1 feel	2 fox	2 grew	1 hit	J	
3 either	2 feet	3 free	3 grocery	2 hold	0 :-:1	
3 elbow	2 fell	3 freedom	1 ground	2 hole	3 jail	
3 elect	2 felt	2 freeze	3 graun	R home	3 January	

3 group

3 elect

2 felt

2 freeze

R home

3 January

____ EDL Reading Core Vocabulary—Adult Word List _____

. 5		3.7	0 1	~ 1	0	2 :
2 lesson	2 match	$oldsymbol{N}$	3 order	2 plane	$oldsymbol{Q}$	2 ring
R let	3 mate		1 other	2 plant		3 ripe
R let's	3 material	1 name	3 ought	3 plate	2 queen	2 river
1 letter	3 matter	3 nation	1 our	3 platform	2 queer	2 road
3 library	R may	3 national	1 out	1 play	2 question	3 roar
3 license	1 me	1 near	2 outdoors	3 pleasant	2 quick	2 rock
3 lick	3 meal	3 neck	2 outfit	1 please	2 quickly	2 rocket
3 lie	3 mean	1 need	2 outlaws	2 plenty	1 quiet	2 rode
2 life	3 meant	2 needle	1 over	3 plow	2 quit	2 rodeo
2 lift	3 measles	2 Negro	2 overcome	3 plug	3 quite	2 roll
2 light	2 meat	3 neighbor	2 overhead	2 pocket		2 roof
2 likeness	2 medal	3 neighborhood	2 own	2 point	R	1 room
R likes	3 medicine	3 nerve	2 owner	R poison		3 root
3 limp	1 meet	3 nest	2 oxygen	1 police	2 raced	2 rope
2 line	R men	1 never		3 policy	2 radar	1 round
2 linen	2 mess	1 new	\boldsymbol{P}	1 policeman	3 radio	2 rub
2 list	3 message	1 next		3 polio	3 rag	2 rubber
2 listen	2 met	2 nice	1 paid	3 polite	2 rail	3 rug
1 little	3 metal	R night	2 pail	2 pond	2 railroad	3 ruin
1 lives	1 middle	3 nine	2 pain	2 poor	1 rain	3 rule
3 load	3 midnight	3 nineteen	2 paint	2 porch	2 raise	1 run
3 loaf	2 might	R no	3 pale	3 port	1 ran	2 runway
2 log	1 miles	2 nobody	2 pan	2 pot	2 rang	2 rust
2 lone	2 milk	2 nod	1 paper	3 potato	3 rather	
2 lonely	2 millions	2 noise	1 parents	3 pound	1 rats	S
1 long	2 mind	3 noon	1 park	3 powder	3 rattle	
R looked	3 mine	2 nor	2 part	3 practice	2 reach	2 sad
3 lose	2 minutes	2 north	3 party	3 prairie	1 read	1 safe
1 lost	3 mirror	2 nose	2 pass	3 prayer	1 ready	1 safety
2 loud	1 miss	R not	2 past	3 predict	2 real	R said
1 love	3 mistake	2 note	2 path	3 prediction	2 reason	3 sailor
2 low	3 moan	3 notice	3 pause	3 premium	3 receive	1 sales
2 luck	3 moment	2 November	3 paw	3 prepare	3 record	1 salesman
2 lunch	1 Monday	1 now	R pay	2 present	3 record	3 salt
3 lung	1 money	3 numb	3 payment	1 president	3 refuse	2 same
0 10110	3 monster	3 number	2 peace	-	3 relative	2 sameness
M	2 month	3 nurse	3 peaceful	3 pressure 3 pretend	3 relax	3 sandwich
.,_	2 moon	2 nylon	3 pen	2 pretty	3 remain	3 sang
2 machine	1 more	2 Hy10H	1 penny	2 pretty 3 prevent	1 remember	1 sat
2 mad	R morning	\boldsymbol{o}	1 people	3 prevent 3 price	1 rent	1 save
2 made	1 most	O	3 permit	3 prince	3 repair	1 saw
1 mail	1 mother	3 ocean	3 person	=	3 repair	1 say
3 main	3 motor	2 o'clock	3 pet	3 print 3 prison	3 replace	R school
1 make	3 mountain	R of	1 phone	3 private		3 scramble
3 male	3 mouse	1 off	3 piano	•	3 reply	3 screw
1 man	2 mouth	3 offer	2 pick	2 prize	3 report	2 sea
3 manage	1 moved	2 office	2 picnic	2 probably	3 rescue	2 seal
3 manner	2 movies	1 often	2 pictures	2 problem	3 respect	2 seat
R many	R Mr.	3 oil	-	3 promise	1 rest	2 second
3 map	1 Mrs.	1 old	2 pie 2 piece	2 proud	2 return	3 secret
2 mark	1 much	1 on	-	1 pull	3 reward	R see
2 mark 3 married	3 museum	2 once	2 pill	3 pulse	3 rich	2 seed
		R one	2 pilot	2 punch	1 rid	2 seems
3 mask	2 music	1 only	1 pipes	3 puppy	R ride	2 seems 2 seen
3 master	1 must	1 open	1 place	1 push	3 rifle	2 300H
	1 my		3 plain	1 put	1 right	
	2 myself	3 operator	1 plan	3 puzzle	-	
		1 or				

____ EDL Reading Core Vocabulary—Adult Word List _____

2 self	1 sleep	3 stolen	1 telephone	2 touch	TAY	3 wine
1 sell	3 slender	3 stomach	R tell	3 tough	W	2 winter
2 send	2 slept	2 stones	3 temperature	3 tow		1 word
3 sense	1 slip	2 stood	1 ten	2 toward	3 wag	3 wore
2 sent	2 slow	3 stool	2 tent	3 tower	3 wagged	R working
2 sentence	2 small	R stop	3 tenth	3 town	3 wagon	2 world
2 sergeant	1 smart	R store	3 terrible	2 toy	R wait	1 worry
3 service	3 smash	1 storm	2 test	2 track	3 waitress	2 worse
2 set	2 smell	R story	1 than	2 train	2 wake	3 worst
2 seven	2 smiles	2 stove	1 thank	3 travel	R walks	2 worth
3 several	1 smoke	3 straddle	R that	3 treat	2 wall	2 worthless
3 sex	1 smoking	2 straight	R the	3 tree	3 wander	2 worthwhile
3 shadow	3 snake	2 strange	3 theatre	2 trick	R wanted	1 would
1 shake	3 sneeze	2 strap	1 their	2 trip	2 war	1 wouldn't
3 shame	2 snow	3 stray	R them	1 trouble	2 warehouse	3 wound
3 shape	1 so	1 street	3 themselves	1 truck	2 warm	3 wreck
3 sharp	2 soft	2 strip	R then	2 true	3 warn	
1 she	2 sold	1 strong	1 there	3 trust	R was	3 wipe
2 sheep	2 soldier	2 stuck	1 these	3 truth	2 wash	3 wire
1 she'll	R some	3 student	R they	1 trying	R wasn't	3 wise
3 shell	2 somebody	2 study		3 tune	3 waste	2 wish
2 shines	R something	3 stupid	2 thin	1 turn	1 watch	1 with
2 ship	1 son	2 subway	R thing	2 twelve	1 water	3 woke
1 shirt	3 song	3 success	1 think 1 third	2 twenty	2 wave	2 wolf
3 shock	2 soon	2 such	3 thirsty	1 two	1 way	2 woman
3 shoe	3 sore	2 suddenly	2 thirty	1 two	1 we	R women
2 shook	2 sorry	3 suffer	2 thirty 1 this	$oldsymbol{U}$	2 wear	2 won
2 shoot	2 sound	3 suggest	3 thorn	C	2 weather	1 wonder
1 shop	2 sound 2 soup	2 suit	1 those	3 unable	3 weeding	2 wonderful
2 shore	2 south	2 suitable		1 under	1 week	1 won't
2 short	2 space		2 though	3 understand	3 weigh	2 wood
1 shot	3 speak	2 summer	R thought	3 unemployed	3 weight	3 wrist
1 should	3 spear	1 sun	3 thousand 3 threaten	3 unhappy	3 welcome	1 write
1 shouldn't	3 special	R supper	2 three	2 United States	1 well	3 written
2 shout	2 speed	3 suppose		2 unlucky	R went	1 wrong
3 shovel	2 speed 2 spell	2 sure	3 threw	2 umacky 2 unsafe	1 we're	3 wrote
1 show	1 spend	3 surprise 3 swallow	3 throat	2 until	1 were	*7
2 shut	2 splinter		3 through	1 up	1 weren't	\boldsymbol{X}
3 shy	2 spoil	3 swim	3 throw	2 upstairs	2 west	
1 sick	2 spoke	2 sword	3 thumb	3 upward	3 western	3 x-ray
2 sickness	1 sports	T	3 thunder	3 urge	3 wet	X 7
1 side	2 spot	Щ	2 ticket 2 tie	1 us	R what	Y
1 sign	1 spring	1 table	3 tight	1 use	3 wheat	_
3 silence	3 spy	3 tag	_	2 useful	2 wheel	3 yard
3 silent	2 stairs	2 tail	R time	2 useless	R when	1 year
2 silk	1 stand	1 take	3 tip 2 tired	3 usually	R where	2 yell
3 silly	2 star	2 taken	R to	5 usuarry	3 whether	3 yellow
2 silver	3 stare	R talk	R today	$oldsymbol{V}$	1 which	R yes 1
3 simple	1 started	3 tall	2 toe	•	2 while	2 yesterday
2 since	3 state		1 together	3 vacation	3 white	3 yet
2 sing	1 station	3 tank	R told	3 vacation 3 vegetable	1 who	R you
3 sir	1 stay	3 tape	2 tomorrow	3 vehicle	2 whole	1 young
2 sister	3 steadily	3 taste	3 tone	1 very	3 whose	1 your
1 sit	3 steadily	3 taught	3 tongue	2 village	1 why	2 yourself
2 sixteen	3 steer	1 taxes	1 too	2 viriage 2 visit	2 wide	ra .
3 sixty	2 step	1 teachers			2 wife	\mathbf{Z}
3 skin	2 stick	2 team	1 took	3 visitor	2 wild	
2 sky	2 still	3 tear	3 tool	2 voice	R will	3 zone
3 slave	3 stir	2 tease	2 tooth	2 volunteer	1 win	2 zoo
2 sled	3 stole	3 teeth	2 top 3 torn	3 vote	2 wind	
2 310u	0 30010	3 telegraph			1 window	
			vii			

Reading Pre-Primer

A a airplane and at away

 $B_{\substack{\text{ball}\\\text{big}\\\text{blue}}}$

C can car come

 $\mathbf{D}_{\substack{\mathrm{daddy}\ \mathrm{did}\ \mathrm{do}\ \mathrm{down}}}^{\mathrm{daddy}}$

fast father for fun funny

 $G_{\mathrm{get}\atop\mathrm{go}\\\mathrm{good}\\\mathrm{green}}$

have he help here home house

I I in is it

 $J_{\rm jump}$

L like little look

 $\begin{array}{c} \boldsymbol{M} & {}_{\substack{\text{make} \\ \text{may} \\ \text{me} \\ \text{mother} \\ \text{my} } } \end{array}$

N not now

 $\mathbf{0}_{\mathrm{on}}$

 $\mathbf{P}_{\mathrm{play}}$

 $R_{\substack{\text{red}\\\text{ride}\\\text{run}}}$

S said see something stop

 $T \\ \begin{array}{c} \text{the} \\ \text{this} \\ \text{to} \\ \text{toy} \\ \text{two} \end{array}$

 \mathbf{U}_{un}

want we what will with work

Y yes

Reading-1

about after again aĺĺ alone along am an animal another any apple are around as ask asked aunt

baby back bag balloon barn basket be bear bed bee before began behind being best better bird birthday black boat book box boy bring brown

cake calf call called

bus

but

buy

by

came can't cat catch children circus clown coat cold color coming

cookie

could

cow

cry

dark day does dog doing doll

> don't door dress duck

E each eat egg every

far farm faster feet find fine fire fireman first fish fit five flew flower fly found four friend frog from

game garden gave girl give glad goat going gone good-by got grass ground grow guess

 $\mathbf{H}_{\mathsf{had}}$ hand happy hard has hat head hear heard hello hen her high hill him his hold honey horse hot

> ice ice cream if into

how

hurry

 $J_{\rm just}$

K kitten know

L lamb last laugh let let's letter light live living long looked lost lunch

 $\mathbf{M}_{\mathrm{made}}$ man many men met milk miss Miss money monkey more morning Mr. Mrs. much must

near nest never new next night no noise nose nothing

name

of off oh old once one or other our

 sit sitting sleep snow

so some sometimes

EDL Reading Core Vocabulary—Graded Lists _

			ne	aumy
	out			acon
	out over			soon spring
	paint			squirrel
	panit			stay
				stay
P	* 4.3			stopped
	painted			store
	painter			story
	painting			street
	parade			sun
	park			surprise
	party			sui prise
	peanut			
	penny	,	Section 2	£ _ 21
	people	•	<u>.e.</u>	tail
	pet			take
	picnic			talk
	picture			tell
	pig			than
	please			thank
	pocket			that
	pony			their
	pretty			them
	prize			then
	pull			there
	puppy			these
	put			they
				thing
\mathbf{R}				think
L	rabbit			those
	rain			three
	ran			time
	read			told
	ready			too
	right			took
	road			town
	room			train
	running			tree trick
				truck
C				
O	sang			try turtle
	sat			twin
	saw			twiii
	school			
	she		J	1
	shoe	•		uncle
	shoes			under
	show			us
	sing	_		
	sit	T	1	
	sitting	`	₩	very
	sleep			

was water way went were wet when where white who why window wish without woman word would

yard year yellow your

 $Z_{\rm zoo}$

wagon walk

walked

Reading-2

able
above
across
afraid
afternoon
ago
ahead
air
almost
always
angry
answer

anything apartment arm asleep ate

anyone

babies bad bake band bang bank bark basketball bat beautiful because been begin beginning believe bell belong berry beside between bicycle bigger biggest bill bit bite blew block blow board bone

both

bottle

bottom

bought

bought

bounce branch brave bread break breakfast bridge bright broken brother build building

burn

bush

busy

butter button cage camp candle candy cannot cap card care careful carried carry caught cent chair change chase chicken chimney chip chipmunk Christmas city clean clever climb clock close clothes coal cook

corn

corner

count

cover

crawl

cream

cried

cross

crow

couldn't

country

cut cutting

dad dance dear deep deer didn't different dig dinner dirty dish dollar done donkey drink drive driver drop drown

 $\mathbf{E}_{\mathrm{ear}}$ early easy edge eight elephant elevator else empty end engine enough even evening ever everyone everything everywhere

face
fair
fairy
fall
family
farmer
farther
fat
feather
feed
feel
fell
felt

excite

eye

few field fight fill finish fix flag flash flashlight floor flour follow food foot football fourth fox friendly frighten front

fence

gate glass glove goes gold goose grandfather grandmother gray great grew grin

fruit

full

happen hardly haven't hay heavy held herself hide himself hit hole hop hope horn hungry hunt hunter hurt

I idea
I'll
I'm
important
Indian
inside
isn't
its
it's
I've

J join joke jolly

keep
kept
key
kick
kill
kind
king
kitchen
kite
knew
knock

ladder lady lake land large larger late later lay leave leaves left leg library life line lion listen lock lot loud love low

M machine magic

lucky

secret

seed

seem

seen

send

sent

seven

shall

sheep

shiny

shook

shop

set

sell

mail making mate maybe mean merry middle might mill minute moon most mountain mouse mouth move mud myself

nail neck need neighbor nice nine number nut

oak o'clock office older only open orange outside oven owl own

pail pair pan paper part pass past pat paw pay peep pennies pick pie

piece

pile

pink pipe place plant point policeman pond poor pop popcorn present princess print proud puddle puppet push

quack question quick quickly quiet

> raccoon race radio rag railroad ranch reach real really remember rest return riding ring river roar rock rode roll roof rope round row rub

sad safe same Saturday say sea seat second

short should shout shovel shut side sign silly silver sister six skate sky sled slow slowly small smell smile snowstorm soft someone song sorry sound soup splash stairs stand start station stick still stone stood stories storm straight strange string strong stuck

supper suppose sure swim swing swish

table tag taken tall teach teacher tease telephone television ten tent terrible third thought threw through throw ticket tie tiny tired today together tomorrow tonight toot tooth top track tractor tried trip trouble true trunk turn

wash wasn't watch wave wear week weigh well we'll whale wheel which while whisper whistle wide wife wild win wind wing winter wise woke wolf wonder wonderful won't wood world write wrong

you'll young yourself

unhappy until use

twelve

useful

village visit voice

wag wait warm

subway

suddenly

summer

such

suit

Reading-3

aboard act add address adventure against age aim airport alarm alike alive allow already also amaze America American among amuse announce ant apart appear April apron aren't army arrange arrive arrow astonish attack automobile autumn average awake

baggage bait banana bar bargain barrel base baseball bath batter beach bead bean beard beast beat

awful

ax

beauty beaver became become bedroom beehive beg begun behave below belt bench bend bent beyond birth blade blanket blast bless blessing blind blood blossom blueberry boast body boil bold boot born borrow bother bow bowl breath breeze brick broke brook brush bubble bucket buffalo bug built bulb bull bunch

cabin calm camera

bunk

butcher

butterfly

bundle

calendar canary

cannon canoe captain cardboard careless carol carpet carrot cart carve case cattle cause cave cellar center certain certainly chain chance charge chatter

cheek

cheer

cheese

cherry chest chew chick chief child chin chocolate choose chop chose chuckle church circle clap class clear cliff clip closet cloth clothing cloud club coach coast coconut coffee colt comb

conductor content contest continue cool copper copy correct cost costume courage course cousin coward cozy crack crash creek crept crowd crown cup curious curl curtain

damp danger dare darkness dash daughter dawn dead decide deck delicious delight depend desert deserve desk diamond die difference dime dine dip direction dirt disappear disappoint discover dive divide doctor

doesn't

Dr.

downstairs

drag drank draw drawer dream drew dried drift drip drove drum dry dug dumb during dust

eager eagle earn earth easily east eighty either eleven elf elves **English** enjoy enter escape event everybody exactly example except excitement exciting exclaim excuse exercise expect explain extra

fail faint faithful famous fan fancy fasten fault fear feast February

fed

comfortable

common

company

complain

complete

e 11
fellow
fiddle
fierce
fifteen
fifth
fifty
finally
finger
fisherman
flame
flap
flat
float
flow
fog
fold
fool
foolish
force
forest
forget
forgive
forgot
forgotten
form
forth
fortune
forty
forward
fourteen
frame
free
freeze
fresh
Friday
frown
fur
iui

garage gas gather gay gaze gentle giant gift given glance glitter gnaw goodness grab grain grease

greedy

group

growl

grown

guard guide gun

half
hall
hammer
handle
hang
happiness
harbor
harm
harness
hasn't
hate
having

healthy heart heat heaven heel helper helping herd hero hid hidden highway history hive holiday hollow

hawk

honor
hoof
hook
hoop
hose
hospital
hound
hour
hug
huge
hundred
hung
husband

I I'd ill imagine impossible inch indeed inn inquire insect instead intend

interesting invite iron island itself

jar
jelly
jerk
jet
jewel
job
journey
joy
judge
juice
July
June

kangaroo keeper kiss knife knight known

laid lap law lazy lead leaf leak lean learn led less lesson lie lift list lively load loft log lonely loose lose lovely lower lumber

M mad main

lump

lying

map march mark market marry master match matter mayor meadow meal meant meat meet melt message metal mice mile mind mine mirror mischief mistake mix

moan

model

moment

Monday

month

motor

mount

manage

nap narrow nation neat necklace needle neither net nibble nickel ninety nobody nod none north note notice November

O ocean offer often oil order organ ought outdoors

pack package page paid palace pale parent passenger paste patch path pea peddler peek pen pencil perhaps piano pillow pilot pin pine pitch pitcher plain plan plane planned plate pleasant plenty plow poke pole police polite pool porch possible post pot potato pound pour power practice prepare president press pretend price probably promise prove

puff

10

puzzle

purple

queen quite

R rack raise rang rapidly rather rattle rear reason receive recognize record refuse remain repair repeat replied reply rescue respect reward rib ribbon rice rich rid ripe roast robber robe rooster root rose route rubber rule ruler

safely safety sail sailor sale salt sand sandwich sank satisfy

save

saving

scarce

rush

scare scarf scatter scene scent scratch scream search season seize selfish sense serious serve seventy several shade shadow shake shape share sharp shed sheet shelf shell shine ship shirt shoot shore shot shy sick sidewalk sigh signal silent simple since single sir sixteen sixty size skin

smoke

smooth

snake

snap

soap

sock

softly

skip slap sleepy sleigh slept slide slip smart

sold somebody somehow somewhere son sort south space spare spark sparkle speak special speed spend spider spill spin spirit split spoil spoke spoon spot spray spread squeak squeeze stage stamp star stare startle state steal steam steep steer stem stiff sting stir stout straw stray stream stretch strike strip struck struggle study stuff stump stupid sudden

swift switch

tank tap taste taught team teeth temper tender test themselves thick thief thin thirsty thirteen thirty though thousand thread throat Thursday

> till tip tire toast tool toss touch toward tower trade traffic trail trap travel treasure tremble tribe trot trousers trust truth tube

tight

ugly understand understood unite

tumble

tune

tunnel

twenty

twice

United States unless unusual upon upstairs usual usually

vacation valley vegetable visitor

> wake wall wander war warn waste weak weather weep weight welcome we're weren't west we've wheat whip whole whose willing wink wipe wire wisdom women won wool wore worm worn

yet you're you've

worry

worse

worth

wrap

wreck

wrote

written

wouldn't

Sunday

swallow

swam

sweep

sweet

		Į.
		and the state of t
		1
		P
		NO.
		9

Reading-4

A

accent accept accident according accuse ache acorn acre acrobat action actor actually adjust admire admit afford agree alligator alphabet although altogether amount ancestor anchor ancient anger anxious anybody anyhow appearance approach aquarium area argue arithmetic arrangement arrest article artist ashamed ashes astronaut attention attic August avenue

B

bacon badge balance bamboo bandage

avoid

awoke

aye

awkward

banner bare basement bathroom bathtub battery battle bav beak beam beef beetle bellows beneath bet bid bike billow birch blame blaze bleat blend blink blizzard blubber bob bonnet bound bracelet braid brain brass breathe broom brownie bruise buck buckle buggy bulge bullet bun burro burrow burst burv

cabbage cable calves cane canvas canyon capture cargo

carnival

carpenter

bushel

business

carriage cast castle celebrate champion character charcoal check cheerful chimpanzee china choke chore chosen churn citizen claim clam clatter claw clay climate clover clump coax cobbler cocoa coin collar collect collection colonel

colony comfort command committee companion condition cone contain continent control convenience convenient coral cord cork corral cot cottage cotton council counter couple court

creature creep crew crib cricket cripple crisp crocodile crooked crop crouch cruel crumb cub cupboard cure curiosity curly current curve custom customer

cute

creak

dairy daisy damage dandy dangerous dangle date deal death debt December declare decorate deed defend degree deliver delivery demand den department design dessert destroy detective develop dictionary difficult dignity dim dinosaur direct disappointment

discovery

disease

disgrace disgust dismay distance distant disturb dock doe doubt dozen dragon drawn dreadful droop dull duty

earnest earthquake Easter eastern echo editor effect eighteen eighth electric electricity elegant encourage encyclopedia endurance enemy engineer enormous entire envelope equal equator Eskimo especially eve examination examine exchange expensive experience experiment expert explanation explode explore express evebrow eyelash eyelid

fact factory

cove

crab

crag

coyote

crayon

crazy

fade familiar faucet favor favorite fiery figure fin final firm fist flare flavor flicker flight flint flock flood flute flutter folk fond forehead forever fork fort fortunate fought freckle

gobble god golden gourd government grade gradually grand grape grasp grateful gravy graze greet grind grip groan groceries grocery grumble grunt guest guitar gull

icy imagination imitate immediately impatient improve improvement information ink inning insist instant instrument interrupt introduce invent invention

lettuce level lever lick lid lightning lime limp link lip lit locate locomotive lodge lonesome lord luck

lemon

length

lemonade

mumble murmur museum music musician musket mustache mutter mysterious mystery myth

mug

mule

gypsy

habit

halt

hadn't

Halloween

handsome

harvest

hatch

health

hut

jacket iail iam ianitor January iaw **jealous** jeep iingle Jr. jungle handkerchief

K kayak

kettle

kingdom

kid

knee

knit

knot

knives

knowledge

magazine magician magnet maid mama mane manner manners marble mare married marsh mast material mattress

meanwhile measure medal medicine mention mesa messenger midnight million minstrel mist mistress mitten mixture moccasin modern mood moose mop moss motion

mound

movies

national natural nature naughty navy necessary neighborhood nephew nervous news newspaper nineteen ninth nonsense noon nor

northern

nuisance

nurse

oar oasis oatmeal oats obey object October officer onion opinion opossum opposite orbit orchard ordinary ornament overhead owe ox

gallon gallop gang garbage gasp geese general gentleman ghost giggle giraffe glare

glow

freedom

friendship

freight

frontier

furnace

furniture

frozen

fry

heap further hearth fuss helpful future hesitate hind hinge hire hitch hoarse hobby hog honest honesty honk horrify hotel however howl gleam human glide hump glisten hunger gloomy hurricane husky glossary

lad lame lamp landlord lane language lantern laughter lawn league leap least leather

ledge

legend

pad paddle pain palm

pant pants papa parachute paragraph parrot particular partner pasture patient pattern pause peace peaceful peach pear pearl pedal peel pepper perfect perform period permission person persuade phone pigeon pilgrim pillar pinch pinto pioneer pirate pit pity planet platform playful playground playmate plug plum plunge poison polar polish poppy popular port porter position possession possibly postman pottery powder prairie praise prance

pray prayer precious preparation preserve prick pride prince prison prisoner private problem professor program pronounce proof property protect protection ornament overhead owe ox pad paddle pain palm pant pants papa parachute paragraph parrot particular partner pasture patient pattern pause peace peaceful peach pear pearl pedal peel pepper perfect perform period permission person persuade phone pigeon

pilgrim

pillar

pinch

pinto

pioneer

pirate

pit pity planet platform playful playground playmate plug plum plunge poison polar polish poppy popular port porter position possession possibly postman pottery powder prairie praise prance pray prayer precious preparation preserve prick pride prince prison prisoner private problem professor program pronounce proof property protect protection protest pump pumpkin punish pup pupil purpose

quarrel quart quarter queer quill quilt

quit quiver

R racket rage ragged rake range rare rat realize refrigerator regular reindeer reins relief remind remove rent report represent reservation responsible result retreat riddle ridge rifle rim rise roam rob robin rocket rodeo rough royal ruby rude rug ruin

sack
saddle
sake
salad
salute
sauce
sausage
savage
scale
scamper
scenery
scientist
scissors
scold

rumble

rustle

scoop scooter score scout scowl scramble screech screen scythe seal seaport self sentence September servant service setting settle settler seventeen seventh sew shallow shark shawl shelter shepherd sheriff shift shiver shone shoulder shove shower shreik shrug sight silence silk sill sink siren sixth ski skill skim skirt skunk slam slant sleeve slender slid slipper slippery slope snarl

sneak

sneeze

sniff

snort soak soar soldier solve somersault somewhat sore sour southern spank spear speck spectacle speech spell spelling spent spike spine spool sport sprang spy square squat squawk squeal Sr. stable stack stagger stake stalk stall stallion stampede starve statement statue steadily steady steel stern stockade stocking stole stolen stomach stool stove strain stranger strap streak strength stride stripe

stroke

stumble

succeed success suffer sugar suggest suitcase sum sung supplies supply support surface surrender surround suspect swamp swan swarm sweater swell swept swoop sword swung

syllable

tailor tale tame tan tangle tape tar target tea tear telescope temperature tenth tepee terror thankful Thanksgiving therefore thorn threaten thrift thrifty thrill throne thumb thump thunder tide tiger tile

tilt

tin

toad

toe tomato ton tongue toothpaste tore touchdown tough towel trailer tramp transfer tray treat treaty trim tropical trout trudge trumpet tub tuck Tuesday tug turkey turnip twelfth twinkle twist type typewriter

umbrella umpire uneasy unicorn uniform unit upset urge

valentine
vanish
vase
velvet
victory
view
vine
volcano
voyage

waddle wail waist walrus wand

warrior watermelon weary weave web Wednesday wee weed western wharf wheelbarrow whether whine whirl whiskers whittle whom wicked wig wiggle wigwam wilderness willow wine witch wizard wobble woodpecker worst wound wrinkle wrist

Y yawn yell yesterday

 $\mathbf{Z}_{\mathrm{zero}}$

Reading-5

A

abandon ability absent absorb academy accompany account accounting achieve achievement adapt addition admiral admiration admission adobe adopt advance advantage advice advise affect afterward agent agriculture aid aisle alcohol alley alter altitude aluminum A.M. ammunition angel angle ankle antelope antenna anvil ape apologize appeal appetite appreciate appreciation apprentice apricot arch arctic armor art

astonishment

atmosphere

astound

athletic

attach attempt attend attendance attract audience auditorium autograph automatic award aware

bacteria balcony bale bandit banio barley barter basin bathe beets behavior benefit berth bewilder Bible bin bind bitter blank blister blond bloom bluff blunder blur blush bog bolt bomb bonfire bookkeeper booth border bore boss bough boulder bouquet brace brag brake brand breeches

breed

bride

bridle

brilliant

brisk broad bronze bud budge bugle bully buoy burden burglar burnt bustle butt

cab cabinet cactus cafe cafeteria camel canal cape capital capitol capsule captive caravan cask casual cautious cedar ceiling celebration cell cement central century cereal ceremony certificate chalk challenge chamber channel chant chaos chapter charm chart cheap cheat checker chemical chemistry chill chilly chisel choice choir

chum chunk cinder civil civilized clench clerk cling cloak clue clumsy clung cluster clutch coarse cocoon code coil college collie colonial colonist column comment community compact compare compass compliment composition comrade concentrate concern concert concrete

condense

confidence

congratulate

confident

confess

confide

confuse

congress

connect

conquer

consent

consider

consult

construct

construction

convention

convince

cooperate

correction

cough

county

crackle

conversation

conscious

chorus

cradle craft cranberry crane crank crater credit crest crime crude crumble crush crust crystal curb custard

daily dainty dam darling darn dart dazzle deaf deafen decision declaration decrease decree defeat delav delicate demonstrate dense dent dentist deny depot descend descendant describe desire desperate detail determine device dew dial diesel dike diphtheria disaster discuss disguise dismiss dispose distress district

ditch
division
dizzy
dodge
dogie
dominoes
dot
double
dough
doughnut
dove
drain
dread
dreary
dresser
drill
drought
drowsy
drunk
due
dues
duke
dump
dune
dusk
dwarf
dye
dynamite

dynamite ease easel educate education effort elbow elect election electronic elm embarrass embroider emergency emperor enamel enclose enterprise entertain entertainment entirely entrance envy equip equipment erase eraser errand establish evidence evil

excellent exhaust exhausted exhaustion exhibit exhibition expedition explosion export expression extend

fabulous

failure

faith

fame fare farewell fashion fawn female fern ferry fertile fertilizer festival fever fiber fig file fiord flake flee fleet flesh fling flip floe flop flown fluff flung foam foreign forge foster fountain fraction frantic fright frost froze fuel funeral furious furnish furrow

fury

gain
gale
galleon
gander
gap
gape
garment
gasoline
gauze
gear
generally
generatic
generous
geograph
germ
gin
glacier

generally generation generous geography glacier glee glider glimpse globe glorious glory glue goal goblin goddess golf gorge governor gown grace graceful grammar granite grant gratitude grave gravel gravity griddle grim grit growth

hail
halter
ham
hamburger
hammock
hardship

gruff

gulp

gum

gust

gym

guinea

harp harpoon hasty haul haunt haze heal height helicopter helmet herb heron hickory hike hip hiss hockey hoe hogan holly holy homestead horizon horrible horror

hare

horror
hover
huddle
hull
hum
humble
humor
humorous
hurdle
hurl
hush
hustle
hygiene
hymn

iceberg idle igloo ignore imaginary immense import incline include increase independence index indignant inhabitant innocent inspect instruct instruction intelligence

intelligent intent interpret interval inventor invisible invitation iodine irrigate irrigation itch ivory

jewelry
jiggle
jog
journal
jug
junction
junior
junk
justice
jut

keen
kernel
kerosene
kindergarten
kindness
kit
kneel
knelt
knob

L labor laboratory lack lair launch lava lawyer leash lend lent liberty librarian license lily limb limestone limit linen liner lint liquid lizard

pantry

llama loaf loan loaves loom loss loyal lung lunge lurch

M machinery

madam

magnify

majesty

mantel

maple

marvel

mascot

mash

mask

mass

meek

melody

member

memory

mend

mercy

merely

mighty

migrate

military

mineral

mining

minister

miserable

missionary

miracle

mission

Mister

modest

mold

mole

monk

monster

mosquito

molasses

miser

miner

mess

memorial

merchant

microphone

mat

marvelous

mar

mammoth

manufacture

male

motto muffle multiplication multiply mumps muscle mush musical

moth

nag napkin native neglect Negro nerve nickname niece nimble noble nostril notch notion nudge nugget numb nursery

obedient oblige observe obtain occasion octopus odd official old-fashioned olive operate operator opportunity oppose original orphan otherwise outfit outwit oxen oxygen oyster

pace pajamas pal panic pansy panther

papoose parakeet parallel pardon parka parlor passage patience patio patrol peak peasant pebble peck peculiar peer pep perch perfume peril perish permit perplex petroleum petticoat philosopher phonograph physical picket pickle pier pierce pill pineapple pistol plank plantation plaster plead pleasure pledge plod

poisonous population porcupine

pounce poverty practical preach presence pressure prevent prey principal principle proceed produce product profit progress project prompt pronunciation prop propeller proper properly provide prowl public pudding pulley punch purchase pure purse

quail quality quarantine

> raid rail rally ram ransom rascal raven ravine raw ray reasonable recently recess reckon reed reel reflect reflection refreshment refuge refugee

regard regiment region regret rehearse rejoice relative relax release rely remark remarkable repay reputation resolution restaurant review revolution revolutionary rhyme rhythm ridiculous rink rinse rip ripple risk rod roller rotten rove rudder rugged rung

sacrifice saint salary salmon sample sandal sap sapling satellite scalp scant scar scarlet scheme scholar schooner science scorn scrap scrape

screw

scrub

scuffle

rust

plot

pluck

plume

plump

P.M.

poem

pod

polo

pore

postage

poster

pouch

poncho

scurry secretary section secure seek seep seethe seldom select semester separate sergeant series serpent settlement severe shack shaft shaggy shear shield shimmer shock shrill shrink shrub shudder shuffle sickness sin sincere sincerely sinew sip situation sketch slab slash slave slice slick slight sly smother snare snatch sneer snug sob sober social society sod soda sofa soil sole solemn solid sombrero

soothe sorrow sought soul souvenir spade spaghetti sparrow sped spice spinach spite splendid sprain sprawl spun spur sputter squash squint squire squirm stain stationary stationery steak stew stitch stock stoop strait strife stroll strut stub stubborn student stun stunt sturdy style subject subtract subtraction successful suck suggestion sulphur sunk superintendent survey suspicious

sway

sweat

swirl

symbol

syrup

system

synonym

tablet tack talent task tassel tatter tawny tax taxi telegram telegraph temple tend tennis. term terrace terrific terrify territory textile thatch thaw theater theory thicket thimble thrash thrilling thrive throb thrown thrust thud thus tickle timber timid tinder tinker tinsel title tobacco toboggan toil topic torch torn tortillas total tour tourist

thermostat tournament tow trace traitor

trench trestle trial trickle trifle triumph troop trough troupe tulip tundra twig twilight twirl

underneath undertake universe university upward

> vaccination vacuum vague vain valuable value vanity various vast vehicle veil verse vessel vice president vicious victim vinegar violet violin visible vision volley volunteer vote

wade warehouse wares warmth wax wealth weapon wedding

wedge

whisk

whoop

widow width windshield wit wither witness worship woven wreath wrestle

yarn yelp voke yonder youth

transport

transportation

tremendous

Reading-6

A

absence absolutely absurd abundant abuse accidentally accomplish accomplishment accordion accurate accustomed acid acquaint acquaintance acquire active activity actress additional adjustment adore adult advertise advertisement advertising affair affection aft. agreeable agreement ailing aircraft alas album alert alfalfa alien allegiance allowance ally alphabetical altar alternate amateur amazement ambition ambulance amen annoy annual antique anxiety

apparently

applaud

applause

apply

appoint appointment appropriate approval approve aqualung archaeologist architect architecture arena argument armistice arouse arrival artificial ascend ascent ashore asphalt assemble assign assignment assist assistance assistant association assume assure astronomer athlete atom atomic attain attendant attire attitude attractive auction author authority available avalanche avenge aviation aviator

backward bade badger bald ballot banquet barb

barely

barge

awe

axis

axle

baron barren bass baton bazaar beacon beckon beech beggar behalf behold belief belly beloved betrav beware billion biscuit bishop blacksmith bleed blot blouse boiler bond boom boost boundary bounty breast brief brier brim broadcast broil brood brow bulk bulldozer bulletin bumper bureau bust

cadet
calico
campaign
candidate
canopy
capable
capacity
carbon
career
caribou
carton
cartoon
cash
casket

butler

catalog caterpillar cathedral catsup caution cease celery cemetery chap characteristic charity chat chemist childhood chirp chord chute cider cigar cigarette circular citizenship civilization clad clamber clamp clasp click cockpit combat combination combine comic commence commercial commission communicate communication comparison complaint compose compound conceal conclude conclusion condemn conduct conference confine

conflict

confusion

conquest

consist

constant

connection

conscience

conservation

considerable

consideration

constitution

contact contents continual contract contraption contrary contribute core corps correspond correspondent corridor costly couch cougar counsel coupon courageous courteous courtesy cramp crate create criminal crisis crisscross critical criticize cruise crumple crunch crutch cube cubic cuddle cuff cultivate cunning curse curtsy cushion customary cycle cyclone cylinder cypress

dagger
dandelion
daze
debate
decay
deceive
decent
decimal
decline
decoration
dedicate

defense

definite definition defy delegate democracy democratic demon departure deposit depth derrick description despair destination destruction determination detour devil devote devotion devour diagonal diagram diameter diary dice diet differ dignified discourage discussion disdain disk dislike dismal display disposition dispute dissolve distinct distinguish distinguished distract distribute distrust disturbance document dome doom dose doze draft drape drench drug druggist duchess duel duet dummy

dungeon durable dwelling

economics edition eel elaborate elastic elder element elementary elevation elk embankment ember emblem emerge empire employ employee employer employment enable enchant endure energy engage enrage enthusiasm entry erect erosion error escort essay essential estate estimate etc. evaporate eventual evident exact exceedingly execute exert exist existence exit expand expense exploration

explosive

expose

extent

extreme

extremely

fable fake false fang fascinate fatal fate fatigue feat feature federal feeble fender fetch film fir flax

flea fled fleece flit flourish fluid flush foe folly forbid ford forecast foreman forfeit forlorn formal formation former fortress foul foundation founder fowl fragrant frail frequent fret friction fringe frisky fro fudge fulfill fumble funnel furthermore fuse

G

gag

gaily

gallant gallery galley gangplank garter gem genius gently genuine geranium gesture gigantic glossy gnat goggles gorgeous gossip govern gracious graduate graduation grief grieve grizzly groom grope grove grub guilty gulf

gully

guy

gutter

handicap handy hangar hanger harmonica harsh hasten hatchet hazel headquarters hedge heed helm hem herald heroine herring hesitation hibernate hideous hinder hint historical

hobble
hoist
homely
honorable
hood
hornet
horrid
host
hostess
household
hue
hydrogen
hyphen

icicle

ideal identify idiot idol ignorance ignorant illustration image imitation immigrant ami impolite importance impose impress impression impulse incident income indent independent indicate individual industry infant influence inform inherit initial injure injury insane insert inspection inspire install instinct institute insult intense interfere interior international interview

introduction

portion

EDL Reading Core Vocabulary—Graded Lists _

invade invalid investigate involve inward issue italics item ivy

jagged

jay

ieans

iest

iolt

jury

 K_{keel}

ioint

iudgment

location loop loosen lope luggage lull lurk luxury

macaroni magnificent maintain majestic major majority manager manicure mankind mansion mantle manual

keg kennel kerchief kindle

label lace ladle lag lance lanky lard lark

lash lasso latch lather latitude laundry

laurel laver leadership lecture

legal legion leisure lens lest

levy liar lichen lilac literature

litter liver

livestock local

manure manuscript marine marriage marshmallow mathematics mature measles mechanic

mechanical meddle medical medium mellow melon memorize menace mental

mermaid meteor meter method mid midst

mild miniature mink minor mint

mischievous misfortune missile mite mitt mob

mock moist moisture monitor

monstrous monument mooring moral mortal mourn movement mow muskrat mustard mutton muzzle

naked narrator naval navigation navigator necessity needv nestle nick nigh nightmare nitrogen normal notify nozzle numeral

numerous

nylon

oath objection observation obvious occasional occupation occupy occur odor offend offense ooze opera operation opposition oral orchestra ore organize origin orphanage ostrich ounce outline outrage

oval overboard overlook overtake

pageant painful pane panel paradise parcel parliament pastime patriot patriotic

patriotism pave pavement peacock peal pecan peddle peg pelt per

percent performance permanent personal personality perspiration

pest petrify pew phantom pheasant photograph photographer

phrase physician pint plastic plateau platter plea

plentiful pliers plumber plunder plural plus poet poetry political

politics ponder porcelain pork

porridge portable

positive possess posture poultry powerful prefer presidential presume prevail prevention previous priest primary prime privilege process procession proclaim

production profession professional profitable promote promotion proportion propose prospect

prune publish publisher alua pulse

prow

punishment purify

quaint qualify quantity quarry quiz quotation

 $\mathbb{R}_{\text{rabbi}}$

radar radiator radish raft railway raisin ramp rampart rank rap rapid raspberry rate

ration

outrigger

outstanding

slang

slate

slay sledge

sleek

sleet

slim

slaughter

slavery

readily
reap
reassure
rebel
receipt
recent
recipe
recite
reckless
recommend
recover
recreation
reduce
reef
refer
referee
reference
refine
reform
refusal
regardless
register
regulation
relate
relation relationship
relay
relieve
religion
religious
remedy
remote
replace
representative
reptile
republic
request
require
research
resemble
resent
reserve
reservoir
resign
resist
resistance
resolve
resort
respectful
respond
response
responsibility
restore
retire
retort
revenge
reverse
revive
revolve revolver
revolver

rig rigid rival rogue romantic rot rotary rouse rubbish ruffle rummage rumor rural rut rye sacred sag sash satin satisfaction saucer scan schedule scientific scribble script scroll seam secondary selection senate senator senior sensation sensible sentry sermon session shabby

shame

shampoo

shatter

shave

sheer

shellac

shilling

shingle

shrimp

shutter

similar

skeleton

skillful

site

skid

skull

slack

slain

signature

shred

sling slit slot slumber slump slung slush smash smear smuggle snack snail snicker snore snout soccer socket solar solo solution soot source sow span spangle spaniel species specimen spiral spit splinter sponge spout sprinkle sprint sprout spruce sprung spurt squadron squirt stab staff stag stale stammer standard starboard starch steward stingy storage

stork stow strand strawberry strict strode structure strung stubble studio stung submarine submerge submit substance substitute sufficient suitable summit summon superior superstition supreme surf suspend suspense suspension swap swat swear swollen swore sworn sympathetic sympathy

tackle tangerine taper tarpaulin tavern technical tempt tense tentacle text thee theft theme thermometer thirst thistle thong thorough thou threat throttle throughout thy tidy tingle

tint tissue token toll tomb tone torment tornado torpedo torture trample translate transparent trapeze trash tread treason treatment trek trespass triangle tribute trigger triumphant trolley tropics truant tuna tunic turban turf tusk tutor twine twitch typical tyrant

vow vowel vulture waffle wages waiter wallet walnut waltz ward wardrobe warily wart wasp wealthy weird wept westward wheeze whimper wondrous wrath wren wrench wring X X-ray

yacht yam yeast yield yolk

Z zigzag

youngster

vacant vagabond valve van vanilla vapor variety varnish vault vegetation vein venture vertical vest vibrate

unexpected

union

unravel

urgent

utensil

vice vicinity vigor virus vivid volume

vibration

Reading-7

A

abdomen abroad abrupt absolute accuracy ace acknowledge acknowledgment actual acute adhesive adjoining administration admittance advancement aerial aeronautics affectionate afloat aged agile agony ajar algebra alias alibi alliance alloy almanac alteration alto ambitious ambush amend amendment ammonia amusement anguish

antler
apology
apparatus
appendicitis
appendix
approximate
approximately
apt
arc
archery
armory
arsenal

artillery

asbestos

assault

assassinate

anniversary

annoyance

assembly associate assortment assurance astronomy asylum atlas attraction await awning

bachelor baffle bail balk ballad ballet balm ban banish baptize barbecue barometer barrier bashful basic basis bask batch beau becalm begrudge belfry belittle beseech biography blackmail bleak blindfold bliss blockade blunt bombard bonus boomerang boulevard bracket brew bribe bristle brittle broth brutal brute buffet

bungalow

bunt

burial

burlap

burr buzzard

caddie calculate campus cancel cancer cannibal cantaloupe canteen carcass carload carnation cartridge cashier cavern cavity chairman changeable chapel chariot chasm chauffeur chef cherish chess chivalry cinnamon

circulate circumference circumstances civic civics clan clause climax clot coffin cog collapse colossal comedy comet commerce commit commotion compartment compel compete competition complexion complicate compromise

contagious continuous contrast convey conveyor conviction coop cooperative cordial corpse correspondence coupé cram crease creative creed crevice crimson critic criticism croquet crusade cue cultural

culture

curio

dealer dealt debtor decoy defiance define defrost demerit Democrat depart dependent deputy derby descent desirable desolate despise despite destiny detect development devise dialogue diaper digest digestion dimple director directory disable disagree

disagreeable

disarm

discard discount dishonest disinfectant disobey disorder disown displease distinction divine domestic donate donation donor dormitory doubtful drama dramatic drapery dual dwell

ebony

effective efficient elevate elope embarrassment emphasize enforce engrave enlarge enlist enroll enthusiastic entitle environment erupt eternal eternity exaggerate exceed exception excursion executive exhale exile expectant

fabric factor fad falsehood falter famine fantastic

expel

exposure

conceit

conceive

confront

consume

consumer

considerate

fathom favorable fearless fee feminine ferocious feud fickle fiction fiend filter filth flask flatter flaw flimsy flirt florist focus foil folder foliage formerly formula fracture fragile fragment frank frankfurter freak freshman frigid fumes fund fundamental

gallows gamble gangster gargle gauge gaunt generator geological geologist geology geyser gland glint gloat gong gorilla graph groove gross grudge

guarantee

guardian

H hardy harmony haste hatred hearse heave heifer heir heiress hemisphere hermit hiccup hobo holdup horizontal hostile hub humane humanity humid

humidity

hydrant

hypnotize

illustrate imprison improvise incomplete incredible indigestion industrious infect inferior infinite influential influenza informal ingredient initiate initiation injection inscription institution instructor insurance insure intellectual intensive intention intermediate investigation irregular isle isolate

jazz jeer jetty jilt jubilant

khaki kidnap kiln kin kink knapsack knead knuckle

laborer

lacquer laden landscape lapel latter lavender legible levee liable lieutenant limber linger linoleum liquor lisp lobby lobster longitude loot lubricate lullaby lure lye

mahogany mallet mammal mangle maniac margin marshal masculine massive matinee melancholy menu merchandise mercury mere merit mesh

meteorite microscope microscopic midget mileage millionaire mimic mingle minnow minority miraculous mirage mirth misery mistletoe misty misunderstand mobile moderate modify monarch monopoly monotonous mosaic municipal mural murder muscular mutiny

N narrative nasal nausea neon neutral nipple noose notable novel novelty nude nun

objective obligation obstacle omen opponent option orchid organization ornamental outlet overcome overdue oversight ownership

pamphlet paralyze parch parchment pare parole partial participate particle passion pastor pastry patent payment pendulum penetrate peninsula penitentiary pension periscope perishable perpetual persecute persist petal phase phenomenon philanthropist picturesque pitiful plague plaque platinum plywood poise policy llog pose postpone pout prank precede precision predict preferable preference prejudice premium preside prestige primitive probable progressive prohibit prominent prong propel proposal proposition proprietor

prospector province provision pry psalm publication publicity punctual punctuate punctuation puncture pursue pursuit putty pyramid

respiration restless reveal riot rivalry rivet roach robot rodent role romance roommate roost rotate rotation routine

speedometer sphere spire splint sportsmanship spry squad stadium staple starvation statesman steeple stenographer sterilize stifle strangle stucco

subdue

suburb

suicide

suite

sulk

suitor

sullen

surge

survive

sustain

swoon

supervise

supervisor

suspenders

suspicion

symphony

symptom

synagogue

sue

subscribe

succession

subscription

trait transom treacherous trio triple trophy trowel truce tuberculosis turbulent turnpike turpentine turret typhoon

tragic

welfare welt whim wilt wretched

qualification quartet quench quest

radiant radius

rafter rash rave rayon razor realm rebellion rebuild recall reception recital recitation recognition recollection rectangle reek refund regain regulator reign reject relent reliable reluctant remainder remembrance remnant render renew rental representation Republican reside

residence

residential

resident

saliva salvage sane sanitarium sanitary sardine satchel satisfactory scald scaly scenic scoff scour sculptor sculpture

scum

secrecy

sedan

serial

serum sewer sex sheath shrewd shrine shrivel shroud siege sift sire slime slogan slum smoulder smudge snob solitary sovereign

spectacular

spectator

speculate

sentiment sentimental

> tallow talon tapestry tariff tattoo tedious tempest temptation tenor terminal testify testimony tether thigh thresh tongs tonic torrent

vile villain violent vise vital vitamin vomit vulcanize vulgar warden warp

warrant wary waver wed

weld

unique unruly upheld uranium urn

utilize utmost utter

valiant

vary vat vaudeville venison venom vent version veteran via victorious vigorous violence vocabulary

tradition

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camouflage

carburetor

capsize

Reading-8

abbreviate abbreviation abnormal abode abolish academic accelerate acceptance access accessible accessory acclaim accommodate accommodation accumulate acquit acreage actuate adequate adjacent adjourn admirable adolescent adorn adrift advisable adviser advocate affirm affirmative aggravate aghast aide ailment alcoholic allay aloof ambassador amiable amid amphibious ample analyze anatomy anesthesia anesthetic annex anthem anticipate antidote antiseptic apparel appease

appliance

applicant

application ardent aristocrat armament arrav arson artery aspect assert atone attachment attentive attorney authentic authorize auxiliary

ballast bandanna bankrupt barbarian barnacle barricade battalion beneficial besiege beverage bias bide binoculars blare blemish blight bloated blotter boarder bondage boon boredom borne bout bravery brawl brawn breach breadth bred brigade brink broker browse brunt budget

C cache calamity calorie

buoyancy

careen caress cascade casserole casualty catapult cavalry censor census certify chaplain char charter chassis chime choral chowder chromium circuit cistern civilian clamor clarify classic classification classify cleanse clearance clergy client clinic clog clutter coincidence collide collision columnist coma comedian communism competent comprehend computer conditional confederate confer confetti confidential confirm conform consequence consequently

consul contaminate contempt contradict controversy convert convict convoy cope copyright corporal corporation corrode corrupt counterfeit courtship cov cruelty culprit cumbersome curdle curfew currency curry custody cutlery

debris decade deceit deception deciper decompose deduct defect defective defendant deflate deflect deformity delicatessen delirious deluge demolish denial denim dental deport depress depression deprive derive detain detest devout dictate dictator dilute

dimension

diminish din dingy diploma diplomat dirigible discharge discipline discriminate dishonor disinherit dislocate dislodge dispatch dispense displace disprove disregard disrespect dissatisfied distort distribution dividend divorce doctrine dominate doubtless douse drab drastic drawl dredge drunkard duplicate duration

earshot eaves eclipse economical economy edible edit editorial efficiency eject elapse elated electrocute eligible eliminate elude emancipation embargo embassy embrace emerald emigrant emigrate

consistent

console

consolation

conspicuous

conspiracy

constable

emotion emphasis enact encircle enclosure encompass encounter endanger endeavor endorse endow energetic enfold enrich enrollment entangle envelop envious epidemic episode equality escalator etiquette evacuate evade evasive excel excess exclamation exclude exclusive exempt expectation exposition exquisite extension exterior external extinct extinguish extract

flounder flue fluorescent fluster fondle fore foremost forestry foretell forgery fortify fortitude fossil foyer fraud frenzy frill frolic fugitive function furlough fuselage

gadget
gait
galvanized
garlic
gaudy
genial
geometry
gill
gilt
girder
gospel
graft
grotto
guttural

H habitation haggard haphazard haughty haven hazard hectic hence hereditary heredity heroic hilarious hilt hinderance hoard homicide honorary horde horsepower hospitable

hostage hurtle

identical

identification identity ignite illegal illuminate immerse immigration immortal immortality immune impact impair impart imperfect implement implore impressive imprint improper impurity inability inaugurate incapable incense incentive incompetent inconvenience indefinite indifferent indulge infantile inflammable inflate inflict infuriate inhale inlaid inmate inoculate inauiry insolent inspiration installation installment instill insulation integrate intercept

intrude invasion inventory invert invest investment irk irritate

J jaunt jovial juror justify juvenile

lapse lavatory laxative leaflet lease lecturer ledger lessen liberal liberate lilt literary livelihood livid loathe locality logic logical lotion lottery lounge lubricant lunatic lvnch lyrics

macadam maestro maim maintenance makeshift maneuver maroon martyr mason masquerade massacre massage masterpiece matrimony matron maximum

maze meager memorandum merge midday milestone militia minimum miscellaneous mishap misjudge mislead misplace mobilize mode molar molecular molecule molest molten monarchy monastery morale morality morgue morsel mortar mortgage motive multiple multitude munitions musty mutilate mystify mythology

naturalize
negative
nomad
nominate
nomination
nominee
noticeable
notorious
nourish
nymph

oblong
observatory
obstruct
occupant
occurrence
offensive
ointment
omit
omitted
oppress

facial facilities facility faculty fanatic fantasy faulty fiancé fiancée

extraordinary

financial fixture flannel flexible flinch

floral

fidget

finance

intermission

intersection

internal

intimate

intricate

intrigue

intoxicate

Sabbath

sanctuary

saga

salve

oppression optical orator ordeal outcast outgrowth outskirts overcast overhaul overlap overlay

pacify pact pagan pamper pantomime paralysis parish partition passport pastel pasteurize pathetic pauper pawn pedestal pedestrian pedigree penalize penalty penthouse perfection perforate perimeter periodical perpendicular persistence pertain perturb petition petty pharmacy photostat physicist physics piety pious piston pitfall pivot placard plaid

plasma

plight

poach

ply

plumage

pneumonia

politician pollen pollute portfolio portrait portray possibility posterity postscript potential potion precipice precipitation precise predicament prefabricated prepaid prescribe prescription pretense preview prim prior privacy probability probe procedure proclamation profile profound projector prolong prone propaganda prophecy prophet propulsion prosecute prosper prosperity prosperous protrude proverb provisional provoke pulpit purity pygmy

quake questionnaire quizzical quota quote

R racial radium rant rarity

ratio reaction readiness reality recede receptacle recline recoil recommendation recorder recovery recruit recur reduction reflex refrain refresh registration regrettable rehearsal reinforce relapse reliance relic relish remit remorse removal renegade renewal renounce repeal repel repent repertory repetition reprieve reproduce reproduction requirement requisition resource resourceful respectable restrain restraint restrict resume retail retain revelation

sanitation scaffold scandal scorch scoundrel scripture sect security sensitive sentinel sequence serenade shirk shortage shun sieve signify singe singular sinister siphon skyscraper slander sophomore soprano sparse specific specification specify spiritual splice sponsor stamina stanza static steadfast stench sterling stratosphere strenuous strive subordinate substantial subtle suffocate sultry summary superb surgeon surgery surplus survival survivor swerve swindle

swivel synopsis systematic

taboo tact tarnish taunt temperate temporary tendency tenement testament torrid tragedy trance transform transit transmission transmit transplant tremor trend trump tuition

U unanimous unison universal upholster uproar

> vacancy valet valor vandal variation varsity velocity veneer vengeance ventilate veranda verdict verge versus veto vinevard violate virgin virtue visor vocal vocation void vouch

W

wholly wield wily writhe

 \mathbf{Y} $_{ ext{yearn}}$

 $\sum_{\substack{\text{zeal}\\\text{zest}}}$

revenue

reverence

reverend

revision

rheumatism

revise

rout

rustic

ruthless

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	D. Company
	Vaccounter

EDL Reading Core Vocabulary—Graded Lists.

Reading-9

a la carte abate abhor abolition abominable abound absentee abstract abyss accomplice accord accusation adaptable adaptation adhere administer adversary adverse affliction aggressive agitate alcove allotment amass amplify amputate analysis anecdote antagonize appraise apprehend aptitude aquatic arbitrary arid armory aroma arrogant artesian articulate assent asset attribute audible audition autobiography avail

banister barracks baste bayonet

beige

avert

belligerent
benediction
bestow
bewitch
bibliography
billiards
bleach
booty
bosom
brazen
buffer

caliber canvass caper capitalize caption captivate captivity catastrophe category cauldron celebrity chafe champagne chide cinema circumstance cleave clerical clique coincide combustion commend commodity commute comparable compensation complex comply compress compulsory compute concede concession concise confiscate congestion congregation conscientious consecutive conservative constellation contemplate contemporary contestant continuity contour

contraction

conventional converge conversion convertible coordination coronation corrugated cosmetics countenance counteract cower cram crave creation crescent crochet cult custodian

damnable data dauntless dean debatable deceased decisive deem deface defensive dejected delete deliberate delinguent denomination denounce density deplore desertion destitute detach detention detract diction diplomacy dire disapprove disastrous disband disbelief disciple disclose discomfort disconnect discontent discontinue discord disembark disengage

dismantle disorganized dispossess disqualify disrupt distasteful diverge diversion divert divulge doff domain dowry drudgery duly dutiful dwindle

E earthy ebb ecstasy embalm embezzle encore endear entice entrust enviable envoy equivalent err escapade espionage evolution evolve exalt expanse expansion expend expenditure expire exterminate extravagant extremity

famished farce fatality feint felony ferment festive feudal filament fillet filtration flair flank

flaw flicker foreboding foresight forgo formidable foundry fraternity fray fumigate

gaiety
galaxy
garrison
gild
gist
glamour
glorify
grievance
grimace
gruesome
guidance

H harmonize heathen homage hoodwink

> I idolize illegible illiterate illusion impersonate imply imposter improbable impudent impulsive inborn incurable indebted indelible indispensable inertia infantry infirmary inflation ingenious insight insignia insignificant insomnia instantaneous intact intangible integrity irresistible

disfigure

EDL Reading Core Vocabulary—Graded Lists.

irritable isthmus itemize

judicial

lament landmark lavish legislature legitimate limousine livery loiter lore luminous lust

magistrate malicious mechanism medieval meditate memorable menagerie misconduct misguided mistrust momentary monogram mortify mute mutual

nasal nationality nautical navigable noteworthy

obscure obsolete obstinate optimistic ordain originate ornate overpower overwhelm

parasite pending pennant perceive personal pewter physique pilfer platoon porous precaution preface prefix prehistoric priority prism probation projection propel

quadruple

random rapture ravage rebound redeem refinery refrain regal regime remedial renown replica reprimand reproach reprove repulsive retard retract retrieve righteous robust rove

sanity sarcasm secrete semicircle serene sever sham shank siesta sluggish slur

smite smock smote snub specialist spendthrift spouse spurn squeamish staunch stealthy strategy stress stricken studious sublime subordinate suffice suffix superficial superfluous supernatural supplement suppress

tangible tantrum technique telescope tempo tenant tension terminate texture thwart titanic tolerate transaction tripod trivial turmoil twinge

surly

surpass

swarthy

undertone upheaval urchin

> vacate valise vanquish vendor verify vestibule

veterinary vial

wane wayward wean wistful withhold

EDL Reading Core Vocabulary—Graded Lists _

Reading-10

accentuate adept affront allay allure amphitheater animation annihilate annul anonymous apex appalling appropriation ardor artisan ashtray assess atrocious

auditory

automation

aura

axiom

bane banter bauble bedlam befall belated belie benefactor benevolent bereaved betroth bevel bevy biology bland bogus boisterous bolster

C callous
cancellation
canine
capillary
carat
carnivorous
cater
centennial
chagrin

brandish

buttress

chronic clientele colleague collegiate communicable comparative compile complement component compulsion concept conclusive confound consolidate consultant contemptible contraband convalescent conveyance convulsion coroner cosmic courier credentials creditor crucial crypt cryptic cull cumulative curriculum curtail curvature cuticle cynical

daily debit debutante default deficient defile deflation deft deity delve demented demolition demoralize demure dependent depreciate designate despondent deteriorate devastate dialect diaphragm dignitary

dilate dilemma diligent dirge disconcert discretion disillusion disintegrate dispel dispensary dispense displacement disreputable dissect disuse diverse dogged dominant dormant dote dregs droll duct dupe dynamic

E eccentric economize elongate eloquent emancipate embellish emboss embryo emit encampment enhance enlighten enrapture ensemble enthrall enumerate enunciate equilibrium eradicate esteem ethical evaluate evasion exasperate exotic exploit exponent expressly exuberant

fallacy feasible feign ferret fictitious finale flail flange flaunt focal foible folio foreshorten formulate forum fraught frivolous frontage froth frugal frustrate furtive futile

gala gaseous gender genteel germinate girth glaze glean glib glutton gore granulate gratify grotesque grovel guerrilla

H hapless havoc heirloom heritage hew hoax horoscope horticulture hovel humbug humdrum humiliate humility hybrid hydraulic hypocrite hysteria

1 idiom illegitimate illogical illustrious immature immeasurable impartial impeach imperative imperial impersonal impertinent impoverish impregnate inaccessible incandescent incision incite inclination inclusive incorporate incriminate indisposed induce inducement inert inevitable infatuate infernal infidel inkling inquisitive insufferable intensity intolerable intolerant intuition invertebrate invigorating invincible invoke ire irony

 $\mathbf{J}_{\mathrm{jargon}}$

L laborious lateral legacy liability linear liquidate listless

EDL Reading Core Vocabulary—Graded Lists _

magnitude mainstay malady manipulate manor marital materialize maternal maternity maul mediocre medley mire misconception momentum

monologue

morbid

mutation

mystical

naive
namesake
narcotic
narrate
necessitate
negotiate
nonchalant
notary
nucleus

obituary oblique oblivion obnoxious obscene opaque oratory ordinance organic organism overture

P panorama parochial parry passé passive paternal patron patronize pensive perception

perseverance perspective pertinent pessimistic petite phenomenal pictorial pigment pilgrimage pinnacle piteous plausible pliable populate portal portly precinct predominant pregnant preliminary prelude premature preoccupy prestige prevalent profess proficient progression prose providence provincial prudent psychiatrist psychology pulverize putrid

qualm quandary quell

K radiate radical ratify rational ravenous ravish readjust rebuff reconcile rectify recuperate reformatory rehabilitate reimburse reinstate remittance rend

renovate reorganize reputable residue revel reverie revert revoke revue rhapsody rift ritual roster rostrum rue rupture

sally satire saturate scavenger scope scrimmage scrutinize sear secluded sector sediment segment segregate silhouette simultaneous skeptical skirmish slothful smelt sodden solitude soluble solvent somber sorority spasm spinster spontaneous stability stagnant stalwart stance sterile stigma stimulate stolid strata

sundry superimpose superlative superstructure symmetry synthetic

tabulate taint tangent tantalize tart tawdry temperance theorem thermal tier timely tolerable torrid torso transcribe transfusion transpose tributary tumult

ultimate
ultimatum
uncouth
unerring
unify
unkempt
urban
usage

variable
vertebrate
vigil
vigilant
virtual
visualize
vitality

W waif wan wend whet

strewn

stupefy

stupor

suave

subside

inane

EDL Reading Core Vocabulary—Graded Lists.

Reading-11

abashed abcess abdicate abrasion abridge abstain accost acquisition acrid adage addict adulterated affable affectation affix aftermath aggression algae alienate align alimony alleviate alumni ambiguous amplitude analogy anesthetic annals antecedent antiquated aperture arbitration ascertain ascribe askew asphyxiation aspiration assail assimilate atheist attache audit aversion

beneficiary bequeath biennial

awry

bier bilingual binder bizarre botany boudoir

boycott brevity broach brusque bulwark burlesque burnish

candid capitalist caricature carouse cataract catechism cavalcade celestial centrifugal cessation cite claimant collaborate collective commemorate commentary commune compassion compatible complacent composite composure concave conception concoct concur concussion condescend condiment condolence condone conductive confection confederation

congeal

congenial

consecrate

constitute

contend

context

contortion

cosmopolitan

converse

criterion

cuisine

cyst

culinary

convex

covet

contemptuous

debonair decrepit defer

depict deplete derange derelict desirous deter detriment deviate devious devoid dexterity diagnosis differential diffuse dilapidated discern discourse discredit discrepancy disdainful disgorge disheveled disperse disproportionate dissimilar dissociate distraught docile doleful drone dubious dynasty

explicit expulsion extortion exultation

fabricate facet facilitate faction fallow fastidious feline fervent fervor fetter fidelity financier fissure flagrant fluctuate forage forbearance franchise fraudulent

gauntlet generalize gibe glower glut graphic guise gullible gusto

habitat hallucination hulk

> idealism idolatry imagery immaculate immaterial immobile impale impassive impediment impending imperil implicate impromptu inadvertently

inanimate inaugurate incapacitate incendiary incongruous incredulous increment incur indict indignity inept infallible infamous infer infest infidelity inflection influx informant infringe infuse inherent inhibition initiative innovation inquest inquisition insensible inseparable insinuate instigate instrumental insurrection integral interaction intercede interject interloper interlude intermittent intern interrogate intersperse intervene intimidate intonation intrusion invaluable invariably inverse invocation invoice

iaded jeopardize iocular

irrelevant

irrepressible

H habitable hypothesis

E eddy

egotism

elliptical

eminent

emphatic

engross

enliven

ensue

entail

epitaph

equity

erratic

essence

excerpt

excruciating

exhilarated

evoke

erroneous

epic

encumbered

emaciated

elegy

EDL Reading Core Vocabulary—Graded Lists _

judicious jurisdiction

kindred kinetic knoll

labyrinth laxity legation lenient lethal lewd liaison libel limpid lineage linguistic literal lobbyist lunar lustrous luxuriant

M maladjustment malice malign malignant malleable mandatory mania manifest manifold mannerism marauder materialistic mausoleum meander memento memoir menial mentor metropolis mettle mien misdemeanor momentous monetary monotone morose motif

muse

myriad

natal
nationalism
negligible
neurotic
neuter
nocturnal
nominal
noncommittal
nonexistent
notation
nullify
nutrient
nutritious

obliterate obsession occult odious ominous onslaught opportune orgy orient orientation oscillate overbearing

pacifist palatable pallor palpitate parable paradox parley partisan pathos patronage peerless penal perennial perjury permeate perpetrate personnel peruse philanthropy philosophy physiology pillage placid pollinate polygamy pompous populace populous posterior potent

precarious premonition preponderance preposterous presumptuous primeval procure prodigal profane profuse prohibition projectile promenade propriety prospectus prostrate proxy psychosis pugilist pugnacious purge

quandrant query quibble

R rabble rabid ramification rampant ransack raucous realist rebate recession reciprocate reclaim reconnaissance recourse recurrence redundant refute regent regimen rejuvenate relinquish reminiscent remuneration renaissance renegade replenish repose repress reprisal reproof requisite resolute

respective resplendent restoration resurrection retaliate retention retina retribution revulsion ricochet rigorous rite rote ruse

sanction

saunter savory scapegoat scourge scruple secede sedate sedative semblance sensory sensual sequel servitude severance simile simulate slovenly sobriety socialist solace solicit spectrum squander stark statistics status stereotype stilt stimulus stint stipulate subsequent subsistence successor suede supple surmise surmount susceptible swathe synchronize syndicate synthesis

taut tentative tenure tepid terse therapeutic thesis tincture tirade traction tranquil transgress transition translucent transpire traverse treatise trite truism tryst typify

U ulterior unfounded

vagrant valid vanguard vantage variance veer vehement versatile vibrant vie vintage virile virtuoso vivacious vogue vouch voucher

waiver wanton whimsical wrangle

Z zenith zodiac

resonance

_EDL Reading Core Vocabulary—Graded Lists _

debase

Reading-12

abduct abet abeyance abject absolve

aberration abstinence abstraction acclimate accrue acrimonious acumen adamant adherent admonish adroit advent aesthetic affidavit affiliate affinity affluent aggregate agnostic agrarian allege allegory allocate allude altruistic amalgamate amenable amenity amicable amity amorphous anarchy anathema animosity annuity apathy apparition arable archives arduous askance aspersion astringent astute atrophy audacity augment austerity autocracy avid

avocation

B baleful banal beguile bigot blasphemy bourgeois

bureaucracy

cadaverous candor cantankerous capitulate carnage caste caucus caustic cede censure cerebral characterize charlatan chaste chasten chastise chattel circumvent citation coerce cogitate coherent cohort collateral colloquial comely communal complicity comprise concentric conciliate conclave concourse confidant conjecture connive connoisseur conscription consensus constituent constraint contrive convene conversant corollary correlate crass credible credulous culminate

decadence decry deference definitive defray defunct degenerate deify delineation delude delusion demagogue demeanor denote depraved deride derivative desist despicable despot desultory detonate differentiate diffident digression diminutive disconsolate discreet disparage disseminate dissent dissertation dissipate dissonant dissuade distend dogmatic domicile dub duplicity duress

ecclesiastical echelon edict ediface effervescence effigy effrontery electorate elixir emanate embody embroiled

equestrian erode estrange ethereal evince exhort exodus exorbitant expatriate expedient expound extemporaneous extol extradition extricate exude

facetious facsimile felicity festoon fetid fiasco figment figuratively finesse firmament fiscal fixation flippant foray fusion

gamut garish garner garnish gauche gird gossamer gradation gratis gregarious guile

H habituate hackneved haggard hallowed harangue harass herbivorous heresy heretic heterogeneous hieroglyphics homogeneous

I idiosyncrasy ignoble ignominious illicit imbibe imbue imminent impasse impeccable impede impel impervious impetuous impetus impotent inalienable incessant incidence incognito incorrigible incumbent indefatigable indemnity indeterminate indiscretion indolent indomitable ineffectual inexplicable infamy infectious infinitesimal infraction ingenuous ingratiate inimitable iniquity

juncture juxtaposition

innate

innuendo

inordinate

insatiable

insidious

intelligentsia

interminable

insipid

intrepid

intrinsic

inundate

inveigle

invalidate

inveterate

iridescent

itinerary

ensconced

entreat

epoch

EDL Reading Core Vocabulary—Graded Lists ___

pretentious

pretext

languid languish larceny latent laudable lethargy levity lieu limbo lithe longevity lucrative ludicrous lurid

M macabre magnanimous magnate manacle marginal maritime maxim median mediation mercenary meritorious metabolism metamorphosis meticulous militant misnomer missive modular modulate moot motley mundane

nebulous nomenclature nondescript nonentity notoriety novice nuance nuptial nuture

obesity
obsequious
obtuse
obviate
officiate
omnibus

omnipotent omnivorous opulent orifice orthodox ostentatious ostracize overt

pallid panacea pandemonium paragon paraphernalia paraphrase pariah parlance parody pastoral pathological patriarch patrician pedagogy penance penitent perfunctory personify pervade perverse pestilence petulant phlegmatic pinion piquant pique pirouette pittance plagiarize plaintive platitude plaudit plebeian plummet plurality pneumatic poignant

ponderous

postulate

pragmatic

precedent

precept

preclude

precocious

predatory

predecessor

preeminent

prerogative

presentiment

posthumous

prevaricate privation procrastinate prodigious prodigy proletariat prolific promiscuous promissory promontory propagate propitious propound prosaic protégé protocol prototype protract prowess proximity pseudo pseudonym psyche pungent pursuant

quaff quiescent quintessence

R raiment rancor raze recapitulate recipient recluse recompense recount recrimination redress referendum refraction regale regenerate regurgitate reiterate relegate relevant remiss reparation repartée replete repository reprobate repudiate repugnant

resilient
respite
restitution
resurgent
reticence
retrospect
reverberation
rhetoric
ribald
rudiment
ruminate

sacrilege

sagacity salient salutary sanctify sardonic scathing scintillating scion secular sedentary senile sinuous solicitous solstice somnambulist somnolent sordid soujourn squalid staid stature statute stoic subjugate subservient subsidiary subsidy subterfuge succulent succumb suffused sully sumptuous supercilious supersede supplant supplication surreptitious surveillance sustenance sylvan symposium

T taciturn tantamount

tenacious tenet tertiary tithe tome topography tortuous tractable trajectory transcend transient transitory travesty tremulous trepidation tutelage

U unwitting upbraid usurp utilitarian

vacillate vapid venerate verdant veritable vernacular vestige vicarious vindicate vindictive visage vociferous volatile volition voluble voluminous voluptuous vulnerable

W wreak wrest

Z zealous

_ EDL Reading Core Vocabulary—Graded Lists _

Reading-13

abjure ablution abnegate aborigine abortive abrogate abstemious abstruse accede accolade accouterments acquiesce adjunct adjure adulation adumbrate alacrity altercation ambient ambivalence ameliorate amnesty amortize anachronism analogous ancillary anomaly antipathy antipodes antithesis aphorism apocalyptic apostasy apotheosis apprise appurtenances archaic arrant artifice ascetic asperity assiduous assuage atavism attest auspicious autonomous

baroque bellicose benighted benign blatant bombast bucolic

avarice

cacophonous cairn cajole calligraphy calumny capacious caprice captious carrion cataclysm catalepsy caterwaul certitude chauvinism chicanery chimerical choreography circumspect clandestine clemency cogent cognizant cohesive collusion comatose commensurate commiserate commodious concomitant configuration conjugal connote construe consummate contiguous contingent contrite contumely convivial copious corpulent corroborate coterie covenant covert credence culpable cupidity cursory cvnosure

dearth
debacle
debility
deciduous
decimate
declamation
declivity

decorum defection deficit deleterious demise demur denigrate deprecate desecrate desiccate diatribe dichotomy didactic dilatory dilettante discomfiture disparity dissemble dissident dudgeon

ebullience effete efficacy effusive egregious egress elicit elucidate emolument empirical emulate enamored encomium encroach enervating enigma enmity entity entourage entrepreneur ephemeral epicure epilogue epithet epitome equable equanimity equitable equivocal erudite esoteric etiology eulogy euphonious evanescent exacerbate excoriate execrate

exemplary exigency exonerate expatiate expiate expostulate expurge extant extenuating extirpate

facile
factious
fallible
fatuous
fecund
fetish
filial
finite
flaccid
florid
flux
forensic
fortuitous
fractious
fruition

garrulous gesticulate glabrous glaucous gratuitous

halcyon harbinger hauteur hegemony heinous hiatus hierarchy histrionic homily homonym

> iconoclast imbroglio immutable imperious impious implacable implicit importunate imprecate

improvident impunity incarcerate incarnate inchoate incipient inclement inculcate indigenous indigent ineluctable inexorable inimical innocuous inscrutable insouciance insuperable insurgent intemperate interim interpolate intransigence inured invective invidious irascible irreparable irrevocable itinerant

J jocund

laconic
laity
lassitude
lien
litigation
loquacious
lucid
lugubrious
luminary

machination
magniloquent
malevolent
malinger
martinet
masochistic
masticate
matriculate
matrix
maudlin
mellifluous
ménage
mendacity
milieu
millennium

EDL Reading Core Vocabulary—Graded Lists.

misanthrope miscegenation miscreant misogyny mitigate mollify monolith montage moribund munificent

necromancy nefarious nemesis neophyte nescience noxious

obdurate officious oligarchy omniscient onerous opiate opprobrious ostensible

> palliative palpable pandemic panegyric paroxysm parsimonious parvenu peccadillo pecuniary pedantic penchant penumbra penury peremptory perfidious peripatetic permutation pernicious persiflage perspicacious philistine philology placate plangent plethora polemic polyglot

> > portend

precursor

predilection prescience pristine probity procreate progeny prolix promulgate propensity propiquity propitiate protagonist puerile punctilious pundit purport pusillanimous

querulous quixotic quotidian

> raconteur rapacious recalcitrant recant recondite recumbent refractory remission remonstrate reprehensible rescind revile rife risible

salacious salubrious sanguine sartorial satiate satrap saturnine schism scurrilous sedulous sententious servile shibboleth sinecure soliloguy sonorous soporific specious sporadic

spurious

stentorian stipend strident stringent sublimate succinct succor superannuated supine surfeit sycophant syllogism

tacit temerity terpsichorean timorous titular torpid transmute trauma travail trenchant truculent truncheon turgid

ubiquitous umbrage unction unctuous undulate untrammeled unwonted usury uxorious

> vagary variegated vascular vaunt veracity vernal vertiginous vested vicissitude virago virulence vitiate vitriolic voracious

xenophobia

Z zealot

				_				•				
			4	accept	11	adage		affable		alcove		ambient
-	P		8	acceptance		adamant		affair		alert		ambiguous
		a la carte		access	5	adapt	5	affect		alfalfa	6	ambition
		abandon	8	accessible	9	adaptable		affectation		algae	7	ambitious
		abashed	8	accessory	9	adaptation	6	affection		algebra		ambivalence
		abate		accident	3	add	7	affectionate		alias		ambulance
		abbreviate		accidentally		**		affidavit		alibi		ambush
		abbreviation		acclaim		addition		affiliate	-	alien		ameliorate
		abcess		acclimate	6	additional		affinity		alienate		amen
		abdicate		accolade	3	address		affirm		align		amenable
		abdomen		accommodate	10	adept		affirmative		alike		amend
		abduct		accommodation	8	adequate		affix		alimony		amendment
		aberration		accompany	9	adhere		affliction		alive		amenity
		abet		accomplice		adherent		affluent	1			America
		abeyance		accomplish		adhesive		afford		allay		American
		abhor		accomplishment	8	adjacent		affront		allay		amiable
		ability		accord	7	adjoining		afloat		allege		amicable
		abject		according	8	adjourn		afraid		allegiance		amid
		abjure	6	accordion	13	adjunct		aft		allegory		amity
		able		accost	13	adjure		after		alleviate		ammonia
		ablution		account	4	adjust		aftermath		alley		ammunition
		abnegate		accounting	6	adjustment		afternoon		alliance		amnesty
		abnormal		accouterments	9	administer		afterward		alligator		among
		aboard	12	accrue	7	administration		again		allocate		amorphous
		abode		accumulate	8	admirable		against		allotment		amortize
		abolish	7	accuracy	5	admiral		age		allow		amount
	_	abolition		accurate	5	admiration		U		allowance		amphibious
	9	abominable	9	accusation		admire		agent		alloy		amphitheater
		aborigine		accuse		admission	8	aggravate		allude		ample
		abortive		accustomed	4	admit	12	aggregate		allure		amplify
		abound		ace	7	admittance	11	aggression		ally		amplitude
		about		ache		admonish		aggressive		almanac		amputate
		above		achieve		adobe		aghast		almost		amuse
		abrasion		achievement		adolescent		0		alone	7	
		abridge		acid		adopt		agitate		along	1	
		abroad		acknowledge		adore		agnostic		aloof		anachronism
		abrogate		acknowledgment		adorn		ago		alphabet		analogous
		abrupt		acorn		adrift		agony		alphabetical		analogy
		absence		acquaint		adroit		agrarian		already		analysis
	_	absent		acquaintance		adulation		agree		also		analyze
	9	absentee		acquiesce		adult		agreeable		altar		anarchy
		absolute		acquire		adulterated		agreement		alter		anathema
		absolutely		acquisition		adumbrate		agriculture		alteration		anatomy
		absolve		acquit	5	advance		ahead		altercation		ancestor
		absorb		acre	7	advancement		aid		alternate		anchor
		abstain		acreage		advantage		aide		although		ancient
		abstemious		acrid		advent		ailing		altitude		ancillary
		abstinence		acrimonious	-	adventure		ailment		alto		and
		abstract		acrobat	_	adversary		aim		altogether		anecdote
		abstraction	_	across	9	adverse		air		altruistic		anesthesia
		abstruse		act		advertise		aircraft		aluminum		anesthetic
		absurd		action		advertisement		airplane		alumni		anesthetic
		abundant	_	active		advertising		airport		always		angel
		abuse		activity		advice		aisle		A.M.		anger
		abyss		actor		advisable		ajar		ami		angle
		academic		actress		advise		alacrity		amalgamate		angry
		academy		actual		adviser		alarm		amass		anguish
		accede accelerate		actually		advocate		alas		amateur amaze		animal
		accent		actuate		aerial		album	_			animation animosity
		accentuate		acumen		aeronautics		alcoholic		amazement		animosity
		an a said diddies		241713144	. /	Section 10	\sim	anaman,	_	CHILLIASSACION		CILLED ACT

8 alcoholic

8 ambassador

5 ankle

12 aesthetic

10 accentuate

7 acute

				_							
	annals		applaud	_	aroma		assistance		aunt		bag
8	annex		applause	1	around	6	assistant	10	aura	3	baggage
10	annihilate	1	apple		arouse	7	associate	13	auspicious	7	bail
7	anniversary	8	appliance		arrange	6	association		austerity	3	bait
3	announce	8	applicant		arrangement	7	assortment	8	authentic	2	bake
6	annoy	8	application		arrant	13	assuage	6	author	4	balance
7	annoyance	6	apply	8	array	6	assume		authority	5	balcony
6	annual	6	appoint		arrest	7	assurance	8	authorize	6	bald
12	annuity	6	appointment		arrival	6	assure	9	autobiography		bale
10	annul	9	appraise	3	arrive	3	astonish	12	autocracy	12	baleful
13	anomaly	5	appreciate		arrogant	5	astonishment	5	autograph	7	balk
10	anonymous	5	appreciation	3	arrow	5	astound	5	automatic	P	ball
1	another	9	apprehend	7	arsenal	12	astringent	10	automation		ballad
2	answer	5	apprentice	8	arson	4	astronaut	3	automobile	8	ballast
3	ant		apprise	5	art	6	astronomer	13	autonomous	7	ballet
9	antagonize	4	approach	8	artery	7	astronomy	3	autumn	1	balloon
11	antecedent	6	appropriate	9	artesian	12	astute	8	auxiliary	6	ballot
5	antelope	10	appropriation	5	artic	7	asylum	9	avail	7	balm
5	antenna	6	approval	4	article	P	at		available		bamboo
8	anthem	6	approve	9	articulate	13	atavism	6	avalanche		ban
8	anticipate	7	approximate	13	artifice	2	ate	13	avarice	12	banal
8	antidote	7	approximately	6	artificial	11	atheist	6	avenge	3	banana
13	antipathy	13	appurtenances	7	artillery	6	athlete	4	avenue	2	band
13	antipodes	5	apricot	10	artisan	5	athletic	3	average	4	bandage
11	antiquated		April	4	artist	7	atlas	11	aversion	8	bandanna
6	antique		apron	1	as	5	atmosphere	9	avert	5	bandit
8	antiseptic	7	apt	7	asbestos	6	atom	6	aviation	10	bane
13	antithesis	9	aptitude	6	ascend	6	atomic	6	aviator		bang
7	antler		aqualung	6	ascent	8	atone	12	avid	7	banish
5	anvil		aquarium	11	ascertain	10	atrocious	12	avocation	9	banister
6	anxiety		aquatic	13	ascetic	12	atrophy	4	avoid	5	banjo
4	anxious		arable	11	ascribe	5	attach	7	await	2	bank
1	any		arbitrary	4	ashamed	11	attache	3	awake	8	bankrupt
4	anybody		arbitration		ashes	8	attachment	5	award	4	banner
	anyhow		arc		ashore	3	attack	5	aware	6	banquet
$\overline{2}$	anyone		arch		ashtray	6	attain	P	away	10	banter
$\bar{2}$	anything	6	archaeologist			5	attempt	6	awe	7	baptize
$\bar{3}$	apart		archaic		askance	5	attend	3	awful	3	bar
2	apartment	7	archery		asked	5	attendance	4	awkward	6	barb
$1\overline{2}$	apathy	6	architect		askew	6	attendant	7	awning	8	barbarian
5	ape		architecture	2	asleep		attention		awoke		barbecue
11	aperture		archives		aspect	8	attentive		awry		barber
	apex		ardent		asperity	13	attest	3	ax		bare
13	aphorism		ardor		aspersion		attic	10	axiom		barely
13	apocalyptic		arduous		asphalt	6	attire		axis	3	bargain
5	apologize		are		asphyxiation		attitude		axle		barge
7	apology		area		aspiration	8	attorney		aye	$\overset{\circ}{2}$	bark
13	apostasy		arena		assail	5	attract	•	uj c	5	barley
13	apotheosis		aren't		assassinate		attraction -			1	barn
10	appalling		argue		assault		attractive B	9	babies	8	barnacle
7	apparatus		argument		assemble	9	attribute		bables	7	barometer
8	apparel		arid		assembly		auction	7	bachelor	6	baron
	apparently	8	aristocrat		assent		audacity	1	back	13	baroque
	apparition	_	arithmetic	8	assert	9	audible		backward		barracks
	appeal	2			assess	5	audience		backwaru	3	barrel
ر 2	appear	Q Q	armament	9	asset	11	audit			6	barren
J		6	armistice	-	assiduous	9	audition		bacteria	8	barricade
8	appearance appease	5	armor		assign		auditorium		bad bade	7	barrier
7	appeadicitis	7			assignment		auditory			5	barter
7	appendix		armory		assimilate		augment		badge	3	base
	appetite		army		assist		August		badger		baseball
J	appenie	J	army	U	assist	4	Tugusi	1	baffle	3	Dascuali

4	basement		begrudge		bid		blond		bough		brittle
7	bashful		beguile		bide		blood		bought		broach
7	basic		begun	11	biennial		bloom		bought		broad
5	basin		behalf	11	bier		blossom		boulder		broadcast
7	basis	3	behave		big		blot	7	boulevard		broil
7	bask	5	behavior		bigger	8		2	bounce		broke
1	basket		behind		biggest		blouse		bound		broken
2	basketball		behold		bigot		blow	6	boundary		broker
6	bass		beige		bike		blubber	6	bounty		bronze
9	baste	1	being	11	bilingual	P	blue		bouquet		brood
2	bat		belated		bill	3	blueberry		bourgeois		brook
7	batch	7	belfry		billiards	5	bluff	8	bout		broom
3	bath	10	belie		billion		blunder	3	bow		broth
5	bathe	6	belief		billow		blunt	3	bowl		brother
4	bathroom	2	believe	5	bin	5		1	box	6	brow
4	bathtub	7	belittle	5	bind		blush	1	boy	1	brown
6	baton	2	bell	11	binder	2	board		boycott		brownie
8	battalion	13	bellicose	8	binoculars	8	boarder	5	brace	_	browse
3	batter		belligerent	7	biography		boast	4	bracelet		bruise
4	battery	4	bellows	10	biology	1	boat	7	bracket		brunt
4	battle	6	belly	4	birch	4	bob	5	brag	3	brush
10	bauble	2	belong	1	bird	3	body	4	braid	11	brusque
4	bay	6	beloved	3	birth	5	bog	4	brain	7	brutal
	bayonet	3	below	1	birthday	10	bogus	5	brake	7	brute
	bazaar	3	belt	6	biscuit		boil	2	branch	3	bubble
	be	3	bench	6	bishop	6	boiler	5	brand	4	buck
3	beach	3	bend	2	bit	10	boisterous	10	brandish	3	bucket
6	beacon	4	beneath	2	bite	3	bold	4	brass	4	buckle
3	bead	9	benediction	5	bitter	10	bolster	2	brave	13	bucolic
4	beak	10	benefactor	11	bizarre	5	bolt	8	bravery	5	bud
4	beam	8	beneficial	1	black	5	bomb	8	brawl	5	budge
	bean	11	beneficiary	7	blackmail	7	bombard	8	brawn	8	budget
	bear	5	benefit	6	blacksmith	13	bombast	9	brazen	3	buffalo
	beard	10	benevolent	3	blade	6	bond	8	breach	9	buffer
3	beast	13	benighted	4	blame	8	bondage	2	bread	7	buffet
3	beat	13	benign	10	bland	2	bone	8	breadth	3	bug
7	beau	3	bent	5	blank	5	bonfire	2	break	4	buggy
2	beautiful	11	bequeath	3	blanket	4	bonnet	2	breakfast	5	bugle
3	beauty	10	bereaved	8	blare	7	bonus	6	breast	2	build
	beaver	2	berry	12	blasphemy	1	book	3	breath	2	building
7	becalm	5	berth	3	blast	5	bookkeeper	4	breathe		built
	became	7	beseech	13	blatant	6	boom	8	bred	3	bulb
2	because	2	beside	4	blaze	7	boomerang	5	breeches	4	bulge
6	beckon	8	besiege	9	bleach	8	boon	5	breed	6	bulk
3	become	1	best	7	bleak	6	boost	3	breeze	3	bull
1	bed	9	bestow	4	bleat	3	boot	11	brevity	6	bulldozer
10	bedlam	4	bet	6	bleed	5	booth	7	brew	4	bullet
3	bedroom	6	betray	8	blemish	9	booty	7	bribe	6	bulletin
1	bee	10	betroth	4	blend	5	border	3	brick	5	bully
6	beech	1	better	3	bless	5	bore	5	bride	11	bulwark
4	beef	2	between	3	blessing	8	boredom	2	bridge	6	bumper
3	beehive	10	bevel		blew	3	born	5	bridle	4	bun
2	been	8	beverage	8	blight	8	borne	6	brief	3	bunch
	beetle		bevy		blind	3	borrow	6	brier	3	bundle
	beets		beware	7	blindfold	9	bosom	8	brigade	7	bungalow
	befall	5	bewilder	4	blink		boss		bright		bunk
	before		bewitch		bliss		botany		brilliant		bunt
	beg		beyond		blister		both		brim		buoy
	began		bias		blizzard		bother		bring		buoyancy
	beggar		Bible		bloated		bottle		brink		burden
	begin		bibliography		block		bottom	5			bureau
	beginning		bicycle		blockade		boudoir		bristle		bureaucracy
	- ~			•				•		~~	

_EDL	Reading	Core	Vocabular	y—Cumulative	List
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	5	burglar	4	calves	3	cardboard	6	caution	4	charcoal	3	chop
	7	burial	1	came	2	care		cautious		charge		choral
		burlap	5	camel	8	careen	11	cavalcade		chariot		chord
		burlesque	3	camera	6	career	8	cavalry		charity		chore
		burn	8	camouflage		careful	3	cave		charlatan		choreography
	11	burnish	2	camp	3	careless	7	cavern		charm		chorus
	5	burnt	6	campaign	8	caress	7	cavity	_	chart		_
	7	burr	7	campus	4	cargo	6	cease		charter	_	chosen
	4	burro	P	can		caribou		cedar		chase	8	chowder
	_	burrow	5	canal		caricature				chasm	2	
		burst	3	canary	_	carload		ceiling		chassis	_	*
		bury		cancel		carnage		celebrate		chaste		chronic
	1	bus		cancellation	7	carnation		celebration		chasten		chuckle
		bush		cancer		carnival		celebrity		chastise		chum
		bushel		candid		carnivorous		celery		chat		chunk
		business		candidate		carol		celestial		chattel		church
		bust		candle		carouse		cell		chatter		churn
	5	bustle		candor		carpenter	_	cellar		chauffeur		chute
		busy		candy		carpet	-	cement		chauvinism		cider
		but		cane		carriage		cemetery		cheap		cigar
		butcher		canine		carried	8	censor		cheat		cigarette cinder
		butler		cannibal		carrion	12	censure		check		
	5	butt	3	cannon		carrot	$\frac{8}{2}$	census		checker	9	
		butter		cannot	2	carry		cent		cheek	1	cinnamon circle
		butterfly		canoe	3	cart	$\frac{10}{3}$	centennial		cheer		circuit
		button		canopy	6	carton	-	center		cheerful		circular
		buttress		can't	6	cartoon		central centrifugal		cheese		circulate
	1	buy		cantaloupe cantankerous	3	cartridge		century		chef chemical		circumference
	7	buzzard		canteen	ა 8	carve cascade	5	cereal	-	chemist		circumspect
	1	by	4	canvas	3	case	_	cerebral		chemistry		circumstance
			9	canvass	_	cash		ceremony		cherish		
	_	1.		canyon	7	cashier	3	certain		cherry		circumvent
/		cab	_	cap		cask		certainly		chess		
		cabbage		capable		casket		certificate		chest		
		cabin		capacious	8	casserole		certify		chew	-	citation
		cabinet				cast	13	certitude		chicanery		cite
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		cable	6	capacity				cessation			4	citizen
		cache	6 5	cape	12	caste	11	cessation chafe	3			citizen citizenship
	13	cache cacophonous	6 5 9	cape caper	12 4	caste castle	11 9	chafe	$\frac{3}{2}$	chicken	6	citizenship
	13 5	cache cacophonous cactus	6 5 9 10	cape caper capillary	12 4 5	caste castle casual	11 9 10	chafe chagrin	3 2 9	chicken chide	$\frac{6}{2}$	citizenship city
	13 5 12	cache cacophonous cactus cadaverous	6 5 9 10 5	cape caper capillary capital	12 4 5 8	caste castle casual casualty	11 9 10 3	chafe chagrin chain	3 2 9 3	chicken chide chief	6 2 7	citizenship city civic
	13 5 12 7	cache cacophonous cactus cadaverous caddie	6 5 9 10 5 11	cape caper capillary capital capitalist	12 4 5 8 1	caste castle casual casualty cat	11 9 10 3	chafe chagrin chain chair	3 2 9 3 3	chicken chide chief child	6 2 7 7	citizenship city
	13 5 12 7 6	cache cacophonous cactus cadaverous caddie cadet	6 5 9 10 5 11 9	cape caper capillary capital capitalist capitalize	12 4 5 8 1 13	caste castle casual casualty cat cataclysm	11 9 10 3 2 7	chafe chagrin chain	3 2 9 3 3 6	chicken chide chief child childhood	6 2 7 7 5	citizenship city civic civics
	13 5 12 7 6 5	cache cacophonous cactus cadaverous caddie cadet cafe	6 5 9 10 5 11 9 5	cape caper capillary capital capitalist capitalize capitol	12 4 5 8 1 13 13	caste castle casual casualty cat	11 9 10 3 2 7 5	chafe chagrin chain chair chairman	3 2 9 3 3 6 1	chicken chide chief child	6 2 7 7 5 8	citizenship city civic civics civil
	13 5 12 7 6 5 5	cache cacophonous cactus cadaverous caddie cadet cafe cafeteria	6 5 9 10 5 11 9 5	cape caper capillary capital capitalist capitalize capitol capitulate	12 4 5 8 1 13 13 6	caste castle casual casualty cat cataclysm catalepsy catalog	11 9 10 3 2 7 5 5	chafe chagrin chain chair chairman chalk	3 2 9 3 6 1 5	chicken chide chief child childhood children	6 2 7 7 5 8 6	citizenship city civic civics civil civilian
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	13 5 12 7 6 5 5 2 13 13 1 8 7 3 1 9 6 1	cache cacophonous cactus cadaverous caddie cadet cafe cafeteria cage cairn cajole cake calamity calculate calendar calf caliber calico call	6 5 9 10 5 11 9 5 12 13 8 5 3 9 9 5 9 4 P	cape caper capital capitalist capitalist capitalize capitol capitulate caprice capsize capsule captain caption captious captivate captive captive capture car carat caravan	12 4 5 8 1 13 13 6 8 11 9 1 10 6 13 6 6 3 12	caste castle casual casualty cat cataclysm catalepsy catalog catapult cataract catastrophe catch catechism category cater caterpillar caterwaul cathedral catsup cattle caucus	11 9 10 3 2 7 5 5 5 5 5 9 4 3 2 7 5 5 5 6 6 7 7 8 7 8 8 7 8 7 8 7 8 7 8 8 7 8 7	chafe chagrin chain chair chair chairman chalk challenge chamber champagne champion chance change changeable channel chant chaos chap chapel chaplain chapter	3 2 9 3 3 6 1 5 5 8 13 2 4 3 4 2 2 6 5 7 3	chicken chide chide chief child childhood children chill chilly chime chimerical chimney chimpanzee chin china chip chipmunk chirp chisel chivalry chocolate	6 2 7 7 7 5 8 8 6 6 5 6 4 11 4 6 6 8 6 7 13 3 8 8 6	citizenship city civic civics civil civilian civilization civilized clad claim claimant clam clamber clamor clamp clan clandestine clap clarify clasp
	13 5 12 7 6 5 5 2 13 13 1 8 7 3 1 9 6 1 1 13	cache cacophonous cactus cadaverous caddie cadet cafe cafeteria cage cairn cajole cake calamity calculate calendar calf caliber calico call called	6 5 9 10 5 11 9 5 12 13 8 5 3 9 9 4 4 P 10	cape caper capital capitalist capitalist capitalize capitol capitulate caprice capsize capsule captain caption captious captivate captive captive captivity capture car carat caravan carbon	12 4 5 8 1 13 13 6 8 11 9 10 6 13 6 6 3 12 2	caste castle casual casualty cat cataclysm catalepsy catalog catapult cataract catastrophe catch catechism category cater caterpillar caterwaul cathedral catsup cattle caucus caught	11 9 10 3 2 7 5 5 5 5 5 5 5 5 5 6 7 8 8 5 8	chafe chagrin chain chain chair chairman chalk challenge chamber champagne champion chance change change channel chant chaos chap chapel chaplain chapter char	3 2 9 3 3 6 1 5 5 8 13 2 4 3 4 2 2 6 5 7 3 5	chicken chide chide chief child childhood children chill chilly chime chimerical chimney chimpanzee chin china chip chipmunk chirp chisel chivalry chocolate choice	6 2 7 7 7 5 8 8 6 5 5 6 4 11 4 6 6 8 8 6 7 13 3 8 8 6 3	citizenship city civic civics civil civilian civilization civilized clad claim claimant clam clamber clamp clan clandestine clap clarify clasp class
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	clear	5		7	commotion	5	concern		connote		continuity
8	clearance	4	coin	12	communal	5	concert		conquer		continuous
9	cleave	9	coincide	11	commune	9	concession		conquest		contortion
	clemency	8	coincidence	10	communicable	12	conciliate		conscience	9	contour
	clench	1	cold	6	communicate	9	concise	9	conscientious	10	contraband
8	clergy	11	collaborate	6	communication	12	conclave	5	conscious	6	contract
9	clerical	7	collapse	8	communism	6	conclude	12	conscription	9	contraction
5	clerk	4	collar	5	community	6	conclusion	11	consecrate	8	contradict
	clever		collateral	9	commute	10	conclusive	9	consecutive	6	contraption
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_	client		collect		companion		concomitant	5	consent		contrast
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	climate		college		comparative		concur		conservation		contrive
	climax		collegiate		compare		concussion	9	conservative		control
	climb		collide		comparison		condemn	_	consider		controversy
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	clinic	8	collision		compass		condescend		considerate		convalescent
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	cloak		colonel		compel		conditional	8	consistent		convenient
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	cloud	8	coma		complement	-	confederation	12		_	convertible
	clover	13	comatose		complete		confer		constitute		convex
	clown	3	comb		complex	6	conference		constitution	7	convey
	club	6	combat		complexion		confess		constraint		conveyance
5	clue	6	combination		complicate	8	confetti	5	construct		conveyor
4	clump	6	combine		complicity	12	confidant	5	construction	_	convict
5	clumsy	9	combustion		compliment	5	confide	13	construe	7	conviction
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6	core	2	cover	(6 critical	8	currency	3	dawn		deer
4	cork	13	covert	,	riticism	4	current	1	day	9	deface
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12	corollary	3	coward	4			curse	3	dead	8	defect
9	coronation	9	cower	4	crooked	13	cursory	5	deaf	13	defection
10	coroner	8	coy	2	crop	10	curtail	5	deafen	8	defective
8	corporal	4	coyote	,	croquet	3	curtain	4	deal	4	defend
8	corporation	3	cozy	4	2 cross	6	curtsy	7	dealer	8	defendant
6	corps	4	crab	2	crouch	10	curvature	7	dealt	6	defense
7	corpse	3	crack	4	2 crow	4	curve	9	dean	9	defensive
13	corpulent	5	crackle		crowd	6	cushion	2	dear	11	defer
4	corral	5	cradle	:	crown	5	custard	13	dearth	12	deference
3	correct	5	craft	10	crucial	9	custodian	4	death	7	defiance
5	correction	4	crag	Ę	crude	8	custody	13	debacle		deficient
12	correlate	7	cram	4	cruel	4	custom	12	debase		deficit
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7	correspondence	6	cramp	(cruise		customer	6	debate	7	define
6	correspondent	5	cranberry	2	crumb	2	cut	13	debility	6	definite
6	corridor	5	crane	<i>{</i>	crumble	4	cute	10	debit	6	definition
13	corroborate	5	crank	(crumple	10	cuticle	11	debonair	12	definitive
8	corrode	3	crash	6	crunch	8	cutlery	8	debris		deflate
9	corrugated	12	crass	7	' crusade	2	cutting	4	debt	10	deflation
8	corrupt	6	crate	Ę	crush	6	cycle	7	debtor	8	deflect
9	cosmetics	5	crater	5	crust	6	cyclone	10	debutante		deformity
10	cosmic	9	crave	(crutch	6	cylinder	8	decade		defray
11	cosmopolitan	2	crawl	1	cry	10	cynical	12	decadence	7	defrost
3	cost	4	crayon	10	crypt	13	cynosure	6	decay		deft
6	costly	4	crazy	10	cryptic	6	cypress	9	deceased		defunct
3	costume	4	creak	Ę	crystal	11	cyst	8	deceit	6	defy
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4	cottage	6	create	(6 cubic	$\bigcup 2$	dad	6	decent		deify
4	cotton	9	creation	•	6 cuddle		daddy	8	deception		deity
6	couch	7	creative	,	cue cue		dagger	3	decide		dejected
6	cougar	4	creature	•	6 cuff		daily	13	deciduous		delay
5	cough	13	credence	11	cuisine		daily	6	decimal		delegate
1	could		credentials	1.3	culinary		dainty	13	decimate		delete
2	couldn't		credible	10) cull		dairy	8	deciper		deleterious
4	council		credit	15	2 culminate	4	daisy	5	decision		deliberate
	counsel		creditor		3 culpable	5	dam		decisive		delicate
2	count	12	credulous	1	3 culprit		damage	3	deck		delicatessen
9	countenance		creed	ç) cult		damnable	13	declamation		delicious
4	counter	3	creek		6 cultivate		damp	5	declaration		delight
9	counteract		creep	,	cultural	2	dance	4			delineation
8	counterfeit	3	crept		7 culture	6	dandelion	6			delinquent
2	,		crescent	(3 cumbersome		dandy	13	declivity	8	delirious
5	country			•	Cumbersonic	4		10			
0			crest		cumulative	•		8	decompose		deliver
7	county coupé	5		10		3	danger	_		4	delivery
7	county	5 7	crest	10) cumulative	3 4	danger dangerous	8 4	-	$\begin{array}{c} 4 \\ 12 \end{array}$	delivery delude
7 4	county coupé	5 7 4	crest crevice	10 6	cumulative cunning	3 4 4	danger dangerous dangle	8 4 6	decorate decoration decorum	4 12 8	delivery delude deluge
7 4	county coupé couple coupon	5 7 4 4	crest crevice crew	10	cumulative cunning cup	3 4 4	danger dangerous dangle dare	8 4 6	decorate decoration decorum	4 12 8 12	delivery delude deluge delusion
7 4 6 3 6	county coupé couple coupon courage courageous	5 7 4 4 4	crest crevice crew crib	10 6 3 1	cumulative cunning cup cupboard cupidity curb	3 4 4 3 1	danger dangerous dangle dare	8 4 6 13	decorate decoration decorum decoy decrease	4 12 8 12 10	delivery delude deluge delusion delve
7 4 6 3 6	county coupé couple coupon courage	5 7 4 4 4 2 5	crest crevice crew crib cricket cried crime	10 6 3 1	cumulative cunning cup cupboard cupidity	3 4 4 3 1 3	danger dangerous dangle dare dark	8 4 6 13 7 5 5	decorate decoration decorum decoy decrease decree	4 12 8 12 10 12	delivery delude deluge delusion delve demagogue
7 4 6 3 6	county coupé couple coupon courage courageous courier	5 7 4 4 4 2 5	crest crevice crew crib cricket cried	10 6 3 13 14 8	cumulative cunning cup cupboard cupidity curb	3 4 4 3 1 3 5	danger dangerous dangle dare dark darkness	8 4 6 13 7 5 5	decorate decoration decorum decoy decrease decree decrepit	4 12 8 12 10 12 4	delivery delude deluge delusion delve demagogue demand
7 4 6 3 6 10	county coupé couple coupon courage courageous courier course	5 7 4 4 4 2 5 6	crest crevice crew crib cricket cried crime	10	cumulative cunning cup cupboard cupidity curb curb	3 4 4 3 1 3 5 5	danger dangerous dangle dare dark darkness darling	8 4 6 13 7 5 5	decorate decoration decorum decoy decrease decree	4 12 8 12 10 12 4 12	delivery delude deluge delusion delve demagogue demand demeanor
7 4 6 3 6 10 3 4	county coupé couple coupon courage courageous courier course	5 7 4 4 4 2 5 6 7	crest crevice crew crib cricket cried crime criminal	10 6 3 13 8 8	cumulative cunning cup cupboard cupidity curb curdle cure	3 4 4 3 1 3 5 5	danger dangerous dangle dare dark darkness darling darn dart	8 4 6 13 7 5 5	decorate decoration decorum decoy decrease decree decrepit	4 12 8 12 10 12 4 12 10	delivery delude deluge delusion delve demagogue demand demeanor demented
7 4 6 3 6 10 3 4	county coupé couple coupon courage courageous courier course court	5 7 4 4 4 2 5 6 7 4	crest crevice crew crib cricket cried crime criminal crimson	10	cumulative cunning cup cupboard cupidity curb curdle cure curfew	3 4 4 3 1 3 5 5 5	danger dangerous dangle dare dark darkness darling darn dart dash	8 4 6 13 7 5 5 11	decorate decorum decoy decrease decree decrepit decry	4 12 8 12 10 12 4 12 10 7	delivery delude deluge delusion delve demagogue demand demeanor demented demerit
7 4 6 3 6 10 3 4 6	county coupé couple coupon courage courageous courier course court courteous	5 7 4 4 4 2 5 6 7 4 6	crest crevice crew crib cricket cried crime criminal crimson cripple	10	cumulative cunning cup cupboard cupboard curb curb curdle cure curfew curio curiosity curious	3 4 4 3 1 3 5 5 5 3 9	danger dangerous dangle dare dark darkness darling darn dart	8 4 6 13 7 5 5 5 11 12 6	decorate decoration decorum decoy decrease decree decrepit decry dedicate deduct	4 12 8 12 10 12 4 12 10 7	delivery delude deluge delusion delve demagogue demand demeanor demented demerit demise
7 4 6 3 6 10 3 4 6	county coupé couple coupon courage courageous courier course court courteous courtesy courtship	5 7 4 4 4 2 5 6 7 4 6 4	crest crevice crew crib cricket cried crime criminal crimson cripple crisis	10	cumulative cunning cup cupboard cupboard cupidity curb curdle cure cure curfew curio curiosity	3 4 4 3 1 3 5 5 5 3 9 4	danger dangerous dangle dare dark darkness darling darn dart dash data date	8 4 6 13 7 5 5 5 11 12 6 8 4	decorate decoration decorum decoy decrease decree decrepit decry dedicate deduct deed deem	4 12 8 12 10 12 4 12 10 7 13 6	delivery delude deluge delusion delve demagogue demand demeanor demented demerit demise democracy
7 4 6 3 6 10 3 4 6 6 8	county coupé couple coupon courage courageous courier course court courteous courtesy courtship cousin	5 7 4 4 4 2 5 6 7 4 6 4 6	crest crevice crew crib cricket cried crime criminal crimson cripple crisis crisp	10	cumulative cunning cup cupboard cupboard curb curb curdle cure curfew curio curiosity curious	3 4 4 3 1 3 5 5 5 5 3 9 4 3	danger dangerous dangle dare dark darkness darling darn dart dash data date daughter	8 4 6 13 7 5 5 5 11 12 6 8 4	decorate decoration decorum decoy decrease decree decrepit decry dedicate deduct deed	4 12 8 12 10 12 4 12 10 7 13 6	delivery delude deluge delusion delve demagogue demand demeanor demented demerit demise
7 4 6 3 6 10 3 4 6 6 8 3 4	county coupé couple coupon courage courageous courier course court courteous courtesy courtship cousin	5 7 4 4 4 2 5 6 7 4 6 4 6 11	crest crevice crew crib cricket cried crime criminal crimson cripple crisis crisp crisscross	10	cumulative cunning cup cupboard cupidity curb curdle cure curfew curio curiosity curious curl	3 4 4 3 1 3 5 5 5 5 3 9 4 3	danger dangerous dangle dare dark darkness darling darn dart dash data date	8 4 6 13 7 5 5 5 11 12 6 8 4	decorate decoration decorum decoy decrease decree decrepit decry dedicate deduct deed deem	4 12 8 12 10 12 4 12 10 7 13 6	delivery delude deluge delusion delve demagogue demand demeanor demented demerit demise democracy

				-							
6	democratic	5	desire		dice	7	disagree	4	dismay	5	ditch
8	demolish	11	desirous	13	dichotomy	7	disagreeable	5	dismiss	3	dive
10	demolition	12	desist	8	dictate	3	disappear	7	disobey	9	diverge
6	demon	3	desk	8	dictator	3	disappoint	7	disorder	10	diverse
5	demonstrate		desolate	9	diction	4	disappointment	9	disorganized	9	diversion
10	demoralize	6	despair	4	dictionary	9	disapprove	7	disown	9	divert
13	demur	5	desperate	P	did	7	disarm	12	disparage	3	divide
10	demure	12	despicable	13	didactic	5	disaster	13	disparity	8	dividend
4	den	7	despise	2	didn't	9	disastrous	8	dispatch	7	divine
8	denial	7	despite	3	die	9	disband	10	dispel	5	division
13	denigrate	10	despondent	5	diesel	9	disbelief	10	dispensary	8	divorce
8	denim	12	despot	6	diet	7	discard	8	dispense		divulge
9	denomination	4	dessert	6	differ	11	discern	10	dispense	5	dizzy
12	denote	6	destination	3	difference	8	discharge	11	disperse	\mathbf{P}	do
9	denounce	7	destiny	2	different	9	disciple	8	displace	11	docile
5	dense	9	destitute	11	differential	8	discipline	10	displacement	4	dock
9	density	4	destroy	12	differentiate	9	disclose	6	display	3	doctor
5	dent	6	destruction	4	difficult	13	discomfiture	7	displease	8	doctrine
8	dental	12	desultory	12	diffident	9	discomfort	5	dispose	6	document
5	dentist	9	detach	11	diffuse	10	disconcert	6	disposition	5	dodge
5	deny	5	detail	2	dig	9	disconnect	9	dispossess	4	doe
7	depart	3	detain	7	digest	12	disconsolate	11	disproportionate	1	does
	department	7	detect	7	digestion	9	discontent	8	disprove	3	doesn't
6	departure	4	detective	6	dignified	9	discontinue	6	dispute	9	doff
	depend	9	detention	10	dignitary	9	discord	9	disqualify	1	dog
	dependent	11	deter	4	dignity	7	discount	8	disregard	10	dogged
	dependent	10	deteriorate	12	digression	6	discourage	10	disreputable		dogie
11	depict	6	determination	5	dike	11	discourse	8	disrespect		dogmatic
11	deplete	5	determine	11	dilapidated	3	discover	9	disrupt		doing
	deplore	8	detest	10	dilate	4	discovery	8	dissatisfied	11	
	deport	12	detonate	13	dilatory	11	discredit	10	dissect	1	doll
	deposit	6	detour	10	dilemma	12	discreet	13	dissemble	2	dollar
	depot	9	detract	13	dilettante	11	discrepancy	12	disseminate	9	domain
	depraved	11	detriment	10	diligent	10	discretion	12	dissent	6	dome
	deprecate	10	devastate	8	dilute	8	discriminate	12	dissertation		
	depreciate	4	develop	4	dim	5	discuss	13	dissident	12	domicile
8	depress	7	development	3	dime	6	discussion	11	dissimilar	10	dominant
	depression	11	deviate	8	dimension	6	disdain	12	dissipate	8	dominate
	deprive	5	device	8	diminish	11	disdainful	11	dissociate	5	dominoes
	depth	6	devil	12	diminutive	4	disease	6	dissolve	7	donate
	deputy	11	devious	7	dimple	9	disembark	12	dissonant	7	donation
	derange	7	devise		din	9	disengage		dissuade		done
	derby	11	devoid	3	dine		disfigure		distance		donkey
11	derelict	6	devote	8	dingy	11	disgorge	4	distant		donor
12	deride	6	devotion	2	dinner		disgrace	9	distasteful	1	don't
12	derivative	6	devour	4	dinosaur		disguise	12	distend	6	doom
	derive	8	devout	3	dip		disgust		distinct		door
	derrick	5	dew	8	diploma		dish	7	distinction		dormant
5	descend	11	dexterity		diplomacy	11	disheveled	6			dormitory
5	descendant		diagnosis	8	diplomat	7	dishonest	6			dose
7	descent		diagonal	5	diptheria	8	dishonor	8	distort		dot
5	describe		diagram		dire	10	disillusion	6	distract		dote
	description		dial	4	direct		disinfectant	11	distraught		double
	desecrate		dialect	3	direction		disinherit		distress		doubt
	desert		dialogue		director		disintegrate	6	distribute		doubtful
	desertion		diameter		directory		disk	8	distribution		
	deserve		diamond		dirge		dislike	5	district		dough
	desiccate		diaper		dirigible		dislocate	6	distrust		doughnut
	design		diaphragm		dirt		dislodge		disturb		douse
	designate		diary	2	dirty		dismal				dove
	desirable		diatribe		disable		dismantle		disuse		down

3	downstairs		6	duet	10	economize	8	eliminate	8	enclosure	13	entourage
9	dowry			dug	8	economy	12	elixir	13	encomium		entrance
6	doze			duke	9	ecstasy	6	elk	8	encompass	12	entreat
4	dozen		4	dull	11	eddy	11	elliptical	9	encore	13	entrepreneur
3	Dr.			duly	2	edge	5	elm	8	encounter	9	entrust
8	drab		3	dumb	8	edible	10	elongate	4	encourage	6	entry
6	draft		6	dummy	12	edict	7	elope	13	encroach	10	enumerate
3	drag		5	dump	12	ediface	10	eloquent	11	encumbered	10	enunciate
4	dragon		5	dune	8	edit	2	else	4	encyclopedia	8	envelop
5	drain		6	dungeon	6	edition	13	elucidate	2	end	4	envelope
7	drama			dupe	4	editor		elude		endanger		enviable
7	dramatic			duplicate	8	editorial	3	elves		endear	8	envious
3	drank		12	duplicity	5	educate	11	emaciated		endeavor	7	environment
6	drape			durable	5	education		emanate				envoy
	drapery			duration	6	eel		emancipate		endow		envy
	drastic			duress	4	effect		emancipation		endurance		ephemeral
	draw			during	7	effective	9	embalm		endure		epic
	drawer			dusk	12	effervescence		embankment		enemy		epicure
8	drawl			dust	13	effete		embargo		energetic		epidemic
4	drawn			dutiful	13	efficacy	-	embarrass		energy		epilogue
5	dread			duty	8	efficiency	7	embarrassment		enervating		episode
	dreadful			dwarf	7	efficient		v		enfold		epitaph
_	dream			dwell		effigy						epithet
5	dreary			dwelling	5	effort		ember		engage		epitome
	dredge			dwindle	12	effrontery		embezzle		engine		epoch
	Ü			dye	13	effusive		emblem		engineer		equable
6	drench			dynamic	1	egg		embody		English		equal
1	dress			dynamite		egotism	10	emboss		engrave		equality
5	dresser		11	dynasty	13	0 0	8	embrace		engross		equanimity
	drew					•	5	embroider		enhance		equator
	dried	E		-	2	O __		embroiled		enigma		equestrian
	drift		-	each	4			embryo emerald		enjoy		equilibrium
	drill		3	eager						enlarge		equip
	drink			eagle	3 3	eighty either		emerge		enlighten enlist		equipment equitable
	drip drive				8	eject		emergency emigrant		enliven		equity
	driver			early	6	elaborate		emigrate		enmity		equivalent
	droll			earn	8	elapse	11	eminent		enormous		equivocal
11	drone			earnest	6	elastic	10	emit	$\frac{1}{2}$	enough	_	era
	droop			earshot	8			emolument		enrage		eradicate
	drop			earth	5			emotion		enrapture	~	erase
	drought			earthquake earthy	6			emperor		enrich	_	eraser
	drove			ease	5	elect		emphasis		enroll	-	erect
_	drown		_	easel	5	election		emphasize	8	enrollment		erode
	drowsy			easily	12	electorate		emphatic	12	ensconced		erosion
	drudgery			east		electric		empire		ensemble		err
	drug			Easter	4			empirical		ensue	5	errand
	druggist			eastern	8			employ		entail		erratic
	drum			easy	5	electronic		employee	8	entangle	11	erroneous
5	drunk			eat	4	elegant		employer	3	enter	6	error
8	drunkard			eaves	11	elegy	6	employment	5	enterprise	13	erudite
3	dry					element	2	empty		entertain		erupt
7	dual			ebony	6	elementary	13	emulate	5	entertainment	8	escalator
12	dub			ebullience	2	elephant	6	enable	10	enthrall	9	escapade
11	dubious			eccentric	7	elevate	8	enact	6	enthusiasm	3	escape
6	duchess			ecclesiastical	6	elevation		enamel		enthusiastic		escort
1	duck			echelon	2	elevator		enamored		entice		Eskimo
	duct			echo	3			encampment		entire		esoteric
	dudgeon		8	eclipse	3			enchant		entirely		especially
	due			economical		elicit				entitle	_	espionage
	duel		6	economics	8	eligible	5	enclose	13	entity	6	essay
5	dues											

11	essence	3	exclaim		5	export		factory	10	feasible		fifty
6	essential	8	exclamation			expose		faculty	3			fig
5	establish	8	exclude		8	exposition	7	fad	6	feat		fight
6	estate	8	exclusive	1	3	expostulate		fade	2	feather		figment
10	esteem		excoriate		7	exposure		fail	6			figuratively
6	estimate	11	excruciating	1	2	expound	_	failure	3	February		figure
12	estrange	7	excursion			express		faint	13	fecund		filament
6	etc.	3	excuse		5	expression		fair	3	fed		file
7	eternal	13	execrate	1	0	expressly		fairy	6			filial
7	eternity	6	execute	1	1	expulsion	5	faith	7	fee		fill
12	ethereal	7	executive	1	3	expurge	3	faithful	6	feeble		fillet
10	ethical	13	exemplary		8	exquisite	6	fake	2	feed		film
13	etiology	8	exempt	1	3	extant	2	fall	2	feel		filter
8	etiquette	3	exercise	1	2	extemporaneous	10	fallacy	1	feet		filth
13	eulogy	6	exert		5	extend	13	fallible	10	feign	9	filtration
13	euphonious	7	exhale		8	extension	11	fallow	9			fin
8	evacuate	5	exhaust		6	extent	6	false	12	felicity		final
8	evade	5	exhausted	1	3	extenuating	7	falsehood	11	feline		finale
10	evaluate	5	exhaustion		8	exterior	7	falter	2	fell		finally
13	evanescent	5	exhibit		9	exterminate	5	fame	3	fellow		finance
6	evaporate	5	exhibition		8	external	4	familiar	9	felony	8	financial
10	evasion	11	exhilarated		8	extinct	2	family	2	felt	11	financier
8	evasive	12	exhort		8	extinguish	7	famine	5	female	1	find
4	eve	13	exigency	1	3	extirpate	9	famished	7	feminine	1	fine
2	even		exile	1.	2	extol	3	famous	2	fence	12	finesse
2	evening	6	exist	1	1	extortion	3	fan	6	fender	3	finger
3	event	6	existence		3	extra	8	fanatic	9	ferment	2	finish
6	eventual	6	exit		8	extract	3	fancy	5	fern	13	finite
2	ever	12	exodus	1:	2	extradition	6	fang	7	ferocious	5	fiord
1	every	13	exonerate		8	extraordinary	7	fantastic	10	ferret	6	fir
3	everybody	12	exorbitant	!	9	extravagant	8	fantasy	5	ferry	1	
2	everyone	10	exotic	1	6	extreme	1	far	5	fertile	1	fireman
2	everything	6	expand	(6	extremely	9	farce	5	fertilizer	4	firm
2	everywhere	9	expanse	!	9	extremity	5	fare	11	fervent	12	firmament
5	evidence	9	expansion	1:	2	extricate	5	farewell	11	fervor		first
6	evident	13	expatiate	10	\mathbf{c}	exuberant	1	farm	5	festival	12	fiscal
5	evil	12	expatriate	1:	2	exude		farmer	9	festive		fish
12	evince	3	expect	1	1	exultation	2	farther	12	festoon		fisherman
11	evoke	7	expectant			eye	6	fascinate	6	fetch	11	fissure
9	evolution	8	expectation		4	eyebrow	5	fashion	12	fetid	4	fist
9	evolve	12	expedient		4	eyelash	P	fast	13	fetish		fit
13	exacerbate	5	expedition		4	eyelid	3	fasten		fetter		five
6	exact	7	expel				1	faster	7	feud		fix
3	exactly	9	expend					fastidious	9	feudal	12	fixation
7	exaggerate	9	expenditure		6	fable	2	fat	5	fever		fixture
9	exalt	6	expense		7	fabric	6	fatal		few		flaccid
4	examination	4	expensive			fabricate	9	fatality	8	fiancé	2	flag
4	examine	4	experience		5	fabulous		fate	8		11	flagrant
3	example	4	experiment		2	face	P	father		fiasco		flail
10	exasperate	4	expert	1	1	facet		fathom	5	fiber		flair
7	exceed	13	expiate	1:	2	facetious	6	fatigue	7	fickle	5	flake
6	exceedingly	9	expire			facial	13	fatuous	7	fiction		flame
8	excel	3	explain	13	3	facile	4	faucet	10	fictitious	10	flange
5	excellent		explanation			facilitate	3	fault	3	fiddle	9	flank
3	except		explicit			facilities	8	faulty	11	fidelity		flannel
	exception		explode			facility		favor	8	fidget	3	flap
	excerpt		exploit			facsimile	7	favorable	2	field		flare
	excess		exploration			fact	4	favorite	7	fiend		flash
4	exchange		explore			faction	5	fawn	3	fierce	2	flashlight
	excite		explosion			factious		fear	4	fiery		flask
3	excitement		explosive			factor	7	fearless		fifteen	3	flat
3	exciting	10	exponent						3	fifth		

	flatter		folio		foster		frost	7	gamble		gesticulate
	flaunt		folk		fought		froth	1	game		gesture
_	flavor		follow		foul		frown	12	_	P	get
	flaw		folly		found		froze	5	gander	7	geyser
_	flaw		fond		foundation		frozen	4	gang		ghost
	flax		fondle		founder		frugal	6	gangplank		giant
	flea		food		foundry		fruit	7	gangster		gibe
_	fled		fool		fountain		fruition	5	gap	_	gift
	flee		foolish	1	four		frustrate	5	gape	6	gigantic
	fleece		foot		fourteen		fry	3	garage		giggle
	fleet		football		fourth		fudge	4	garbage		gild
-	flesh		for	-	fowl		fuel	1	garden	8	gill
_	flew		forage		fox		fufill	7	gargle	8	gilt
	flexible		foray		foyer		fugitive	_	garish	5	gin
	flicker		forbearance		fraction		full	8	garlic		giraffe
_	flicker		forbid		fractious		fumble	5	garment		gird
	flight		force		fracture		fumes				girder
_	flimsy		ford		fragile		fumigate	12	•	1	girl
-	flinch		fore		fragment		fun	9	garrison		girth
	fling		foreboding		fragrant		function	13	garrulous	_	gist
	flint		forecast		frail		fund	6	garter	1	give
	flip		forefeit		frame		fundamental	3	gas		given
	flippant		forehead		franchise		funeral	10	gaseous		glabrous
	flirt		foreign		frank		funnel	5	gasoline	-	glacier
	flit		foreman		frankfurter		funny	4	gasp	1	glad
	float		foremost		frantic		fur	2	gate	9	glamour
	flock		forensic		fraternity		furious	3	gather		glance
	floe		foreshorten		fraud		furlough		gauche		gland
-	flood		foresight		fraudulent		furnace	8	gaudy		glare
	floor		forest		fraught		furnish	7	gauge		glass
	flop		forestry		fray		furniture	7	gaunt		glaucous
	floral		foretell		freak		furrow	11	gauntlet		glaze
	florid		forever		freckle		further	5	gauze		gleam
	florist		forge		free		furthermore	1	gave		glean
	flounder		forgery	4	freedom		furtive	3	gay		glee
	flour		forget	-	freeze		fury	3	gaze		glib
	flourish		forgive		freight		fuse	5	gear		glide
_	flow		forgo	8	frenzy		fuselage	4	geese		glider
	flower		forgot	6	frequent		fusion	6	gem		glimpse
	flown		forgotten		fresh		fuss		gender		glint
	fluctuate		fork		freshman		futile		general	4	glisten
	flue		forlorn		fret	4	future		generalize		glitter
	fluff		form		friction				generally		gloat
	fluid		formal		Friday	G_{8}		5	generation		globe
	flung		formation		friend		gadget	1	generator		gloomy glorify
	fluorescent		former		friendly		gag	5	generous		glorious
	flush		formerly		friendship		gaiety	8	genial		
	fluster		formidable		fright		gaily	6	genius		glory
	flute		formula		frighten		gain	10	genteel		glossary
_	flutter		formulate		frigid	8	gait	3	gentle		glossy
	flux		fort		frill		gala	4	gentleman		glove
	fly		forth		fringe		galaxy	0	gently		glow
	foam		fortify		frisky		gale	6	genuine		glower
	focal		fortitude		frivolous		gallant	5	geography		glue
	focus		fortress		fro		galleon	7	geological		glut
	foe		fortuitous		frog		gallery	7	geologist		glutton
	fog		fortunate		frolic		galley	7	geology	_	gnat
	foible		fortune		from		gallon	8	geometry		gnaw
	foil		forty		front	4	gallop	6	geranium		go
	fold		forum		frontage		gallows	5	germ		goal
	folder		forward	4	frontier	8	galvanized	10	germinate	1	goat
7	foliage	8	fossil								

	mobble	0	ano a a a	11	mant c	C	havah	0	In a landar or	10	hoov
	gobble goblin		grease		gusto		harsh		helping		hoax hobble
	god		great	8	gutter		harvest has		hem		hobby
	goddess	_	greedy		0		hasn't		hemisphere hen		hobo
_	goes		green greet	5	guy		haste		hence		hockey
6	goggles		gregarious		gym gypsy		hasten		her		hoe
1	going		grew	7	gypsy		hasty		herald		hog
$\hat{2}$	gold		griddle	T			hat		herb		hogan
4	golden		grief	\mathbf{H}_{4}	habit		hatch	-	herbivorous		hoist
	golf		grievance	_	habitable		hatchet		herd		hold
ĭ	gone		grieve		habitat	_	hate		here		holdup
7	gong		grim		habitation	_	hatred		hereditary		hole
P	good		grimace		habituate		haughty		heredity		holiday
1	good-by		grin		hackneyed		haul		heresy		hollow
	goodness		grind		had	5	haunt		heretic	5	holly
	goose		grip		hadn't		hauteur		heritage	5	holy
10	gore		grit		haggard	P	have		hermit	9	homage
5.	gorge	_	grizzly		haggard	8	haven	3	hero	P	home
6	gorgeous	4	groan		hail	2	haven't	8	heroic		homely
7	gorilla	4	groceries	2		3	having		heroine		homestead
8	gospel	4	grocery	13	halcyon	10	havoc	5	heron	8	homicide
12	gossamer	6	groom		half	3	hawk		herring		homily
	gossip	7	groove	3	hall	2	hay	2	herself		homogeneous
1	got	6	grope	12	hallowed	8	hazard		hesitate		homonym
4	gourd		gross	4	Halloween		haze		hesitation		honest
	govern		grotesque	11	hallucination		hazel		heterogeneous		honesty
	government		grotto	4	halt		he		hew		honey
	governor		ground	5	halter	_	head		hiatus		honk
_	gown		group	5	ham	6	headquarters		hibernate		honor
3	grab		grove	5	hamburger		heal		hiccup		honorable
	grace		grovel	3	hammer		health		hickory		honorary
	graceful		grow	5	hammock		healthy		hid		hood
	gracious		growl		hand	_	heap		hidden hide		hoodwink hoof
	gradation grade		grown		handicap		hear heard		hideous		hook
	gradually		growth grub		handkerchief		hearse		hierarchy		hoop
	graduate		grudge		handle		heart		hieroglyphics		hop
	graduation		gruesome		handsome		hearth		high		hope
	graft		gruff		handy hang		heat		highway		horde
	grain		grumble		hangar	_	heathen		hike		horizon
	grammar		grunt		hanger		heave		hilarious		horizontal
	grand		guarantee		haphazard		heaven		hill		horn
	grandfather		guard		hapless		heavy		hilt		hornet
	grandmother		guardian		happen		hectic		him		horoscope
	granite		guerrilla		happiness		hedge	2	himself		horrible
5	grant		_		happy	6	heed	4	hind	6	horrid
10	granulate	4	guest		harangue	3	heel	6	hinder	4	horrify
4	grape		guidance		harass	13	hegemony	8	hinderance		horror
7	graph	3	guide	13	harbinger	7	heifer	4	hinge	1	horse
11	graphic	12	guile		harbor	5	height		hint		horsepower
	grasp		guilty	1	hard	13	heinous		hip		horticulture
1	grass		guinea	2	hardly		heir		hire		hose
	grateful		guise	5	hardship		heiress		his		hospitable
	gratify		guitar		hardy		heirloom		hiss		hospital
	gratis		gulf		hare		held		historical		host
	gratitude		gull		harm		helicopter		history		hostage
	gratuitous		gullible		harmonica		hello		histrionic		hostess
	grave		gully		harmonize		helm		hit		hostile
	gravel		gulp		harmony		helmet		hitch		hot
	gravity	_	gum		harness		help		hive		hotel
	gravy		gun		harp		helper		hoard	3	hound
	gray	ο	gust	5	harpoon	4	helpful	4	hoarse		
4	graze				-	2					

C.S.		9	,		
3 hour		6 immigrant	4 improvement	6 indent	11 informant
P house	F	8 immigration	13 improvident	5 independence	4 information
6 household	. PI	12 imminent	7 improvise	6 independent	12 infraction
10 hovel	1 ice	11 immobile	9 impudent	12 indeterminate	11 infringe
5 hover	1 ice cream	8 immortal	6 impulse	5 index	8 infuriate
1 how	5 iceberg	8 immortality	9 impulsive	2 Indian	11 infuse
4 however	6 icicle	8 immune	13 impunity	6 indicate	9 ingenious
4 howl	13 iconoclast	13 immutable	8 impurity	11 indict	12 ingenuous
7 hub	4 icy	6 imp	P in	8 indifferent	12 ingratiate
5 huddle	3 I'd	8 impact	8 inability	13 indigenous	7 ingredient
6 hue	2 idea	8 impair	10 inaccessible	13 indigent	5 inhabitant
3 hug	6 ideal	11 impale	11 inadvertently	7 indigestion	8 inhale
3 huge	11 idealism	8 impart	12 inalienable	5 indignant	11 inherent
11 hulk	8 identical	10 impartial	11 inane	11 indignity	6 inherit
5 hull	8 identification	12 impasse	11 inanimate	12 indiscretion	11 inhibition
5 hum	6 identify	11 impassive	8 inaugurate	9 indispensable	13 inimical
4 human	8 identity	4 impatient	11 inaugurate	10 indisposed	12 inimitable
7 humane	10 idiom	10 impeach	9 inborn	6 individual	12 iniquity
7 humanity	12 idiosyncrasy	12 impeccable	10 incandescent	12 indolent	6 initial
5 humble	6 idiot	12 impede	8 incapable	12 indomitable	7 initiate
10 humbug	5 idle	11 impediment	11 incapacitate	10 induce	7 initiation
10 humdrum	6 idol	12 impel	13 incarcerate	10 inducement	11 initiative
7 humid	11 idolatry	11 impending	13 incarnate	8 indulge	7 injection
7 humidity	9 idolize	10 imperative	11 incendiary	7 industrious	6 injure
10 humiliate	1 if	8 imperfect	8 incense	6 industry	6 injury
10 humility	5 igloo	10 imperial	8 incentive	12 ineffectual	4 ink
5 humor	8 ignite	11 imperil	12 incessant	13 ineluctable	10 inkling
5 humorous	12 ignoble	13 imperious	3 inch	11 inept	8 inlaid
4 hump	12 ignominious	10 impersonal	13 inchoate	10 inert	8 inmate
3 hundred	6 ignorance	9 impersonate	12 incidence	9 inertia	3 inn
3 hung	6 ignorant	10 impertinent	6 incident	10 inevitable	12 innate
4 hunger	5 ignore	12 impervious	13 incipient	13 inexorable	4 inning
2 hungry	3 ill	12 impetuous	10 incision	12 inexplicable	5 innocent
2 hunt	2 I 'll	12 impetus	10 incite	11 infallible	13 innocuous
2 hunter	8 illegal	13 impious	13 inclement	11 infamous	11 innovation
5 hurdle	9 illegible	13 implacable	10 inclination	12 infamy	12 innuendo
5 hurl	10 illegitimate	8 implement	5 incline	6 infant	8 inoculate
4 hurricane	12 illicit	11 implicate	5 include	8 infantile	12 inordinate
1 hurry	9 illiterate	13 implicit	10 inclusive	9 infantry	11 inquest
2 hurt	10 illogical	8 implore	12 incognito	10 infatuate	3 inquire
8 hurtle	8 illuminate	9 imply	6 income	7 infect	8 inquiry
3 husband	9 illusion	6 impolite	8 incompetent	12 infectious	11 inquisition
5 hush	7 illustrate	5 import	7 incomplete	11 infer	10 inquisitive
4 husky	6 illustration	6 importance	11 incongruous	7 inferior	6 insane
5 hustle	10 illustrious	2 important	8 inconvenience	10 infernal	12 insatiable
4 hut	2 I'm	13 importunate	10 incorporate	11 infest	7 inscription
10 hybrid	6 image	6 impose	12 incorrigible	10 infidel	13 inscrutable
7 hydrant	11 imagery	3 impossible	5 increase	11 infidelity	3 insect
10 hydraulic	5 imaginary	9 imposter	7 incredible	7 infinite	11 insensible
6 hydrogen	4 imagination	12 impotent	11 incredulous	12 infinitesimal	11 inseparable
5 hygiene	3 imagine	10 impoverish	11 increment	9 infirmary	6 insert
5 hymn	12 imbibe	13 imprecate	10 incriminate	8 inflammable	2 inside
13 hyperbole	13 imbroglio	10 impregnate	13 inculcate	8 inflate	12 insidious
6 hyphen	12 imbue	6 impress	12 incumbent	9 inflation	9 insight
7 hypnotize	4 imitate	6 impression	11 incur	11 inflection	9 insignia
10 hypocrite	6 imitation	8 impressive	9 incurable	8 inflict	9 insignificant
11 hypothesis	11 immaculate	8 imprint	9 indebted	6 influence	11 insinuate
10 hysteria	11 immaterial	7 imprison	3 indeed	7 influential	12 insipid
	10 immature	9 improbable	12 indefatigable	7 influenza	4 insist
	10 immeasurable	11 impromptu	8 indefinite	11 influx	8 insolent
	4 immediately	8 improper	9 indelible	6 inform	9 insomnia
	5 immense	4 improve	12 indemnity	7 informal	13 insouciance
	0 .				

8 immerse

5	inspect	13	interpolate	12	iridescent	7	jilt	7	kin	4	landlord
6	inspection	5	interpret	8	irk	4	jingle		kind	9	landmark
8	inspiration	11	interrogate	3	iron	3	job	5	kindergarten	7	landscape
6	inspire	4	interrupt	10	irony	11	jocular	6	kindle	4	lane
	install	8	intersection	7	irregular		jocund	5	kindness	4	language
	installation	11	intersperse		irrelevant		jog	11	kindred		languid
	installment		interval	13	irreparable		join	11	kinetic		languish
	instant		intervene		irrepressible		joint		king		lanky
	instantaneous		interview		irresistible		joke		kingdom		lantern
	instead		intimate		irrevocable		jolly		kink		lap
_	instigate		intimidate		irrigate		jolt	3	kiss		lapel
	instill		into		irrigation		journal	5	kit		lapse
	instinct		intolerable		irritable	3		_	kitchen		larceny
				8			journey		kite		lard
-	institute		intolerant	_	irritate		jovial			_	
	institution		intonation		is		joy	$\frac{1}{2}$	kitten		large
	instruct		intoxicate		island		Jr.		knapsack		larger
	instruction		intransigence	7	isle		jubilant	7	knead		lark
	instructor		intrepid	$\frac{2}{2}$	isn't		judge	-	knee	_	lash
	instrument	_	intricate		isolate		judgment		kneel		lassitude
	instrumental		intrigue	6	issue		judicial	5	knelt	-	lasso
10	insufferable	12	intrinsic	9	isthmus	11	judicious	2	knew	1	last
8	insulation	4	introduce	\mathbf{P}	it	5	jug	3	knife		latch
6	insult	6	introduction	6	italics	3	juice	3	knight	2	late
13	insuperable	8	intrude	5	itch	3	July	4	knit	12	latent
	insurance	11	intrusion	6	item		jump	4	knives	2	later
	insure	10	intuition	9	itemize		junction	5	knob	10	lateral
	insurgent		inundate	13	itinerant		juncture	2	knock		lather
	insurrection		inured		itinerary		June		knoll		latitude
	intact		invade		its		jungle		knot		latter
_	intangible		invalid		it's		junior	1	know		laudable
	integral		invalidate		itself		junk		knowledge		laugh
	integrate		invaluable		I've		jurisdiction		known		laughter
			invariably		ivory	8	juror		knuckle		launch
	integrity		invariably		ivy	_	3	•	KIIUCKIE		laundry
	intellectual			O	ivy		jury				laurel
	intelligence		invective				just justice				lava
	intelligent		inveigle					-	label		
	intelligentsia		invent		jacket		justify		labor		lavatory
	intemperate		invention		jaded		jut		laboratory		lavender
	intend		inventor	6	jagged	8	juvenile		laborer		lavish
	intense		inventory	4	jail	12	juxtaposition	10	laborious		law
	intensity		inverse		jam				labyrinth		lawn
	intensive		invert	4	janitor			6	lace		lawyer
	intent		invertebrate	4	January .	\mathbf{K} 3	kangaroo	5	lack		laxative
7	intention		invest	3	jar	4	kayak	13	laconic		laxity
11	interaction	6	investigate	10	jargon	6	keel	7	lacquer		lay
11	intercede	7	investigation	8	jaunt	5	keen	4	lad		layer
8	intercept	8	investment	4	jaw	2	keep	2	ladder		lazy
3	interest	12	inveterate		jay		keeper		laden	3	lead
3	interesting	13	invidious	7	jazz		keg		ladle	6	leadership
	interfere	10	invigorating		jealous		kennel		lady	3	leaf
	interim		invincible	6	jeans		kept		lag	8	leaflet
	interior		invisible	4	jeep		kerchief		laid		league
	interject		invitation				kernel		lair		leak
	interloper		invite		jeer		kerosene		laity		lean
	interlude		invocation		jelly	_			lake		leap
	intermediate		invoice		jeopardize		kettle				learn
	interminable		invoke	3	jerk		key		lamb		lease
				6	jest		khaki		lame		leash
	intermission		involve		jet		kick		lament		least
	intermittent		inward		jetty		kid		lamp		
	intern		iodine		jewel		kidnap		lance		leather
	internal		irascible		jewelry		kill	2	land		leave
6	international	10	ıre	5	jiggle	7	kiln			2	leaves

				_				_				
6	lecture	P	like	2	lock		11	lustrous	6	manager	8	masterpiece
8	lecturer	6	lilac	4	locomotive			luxuriant	11	mandatory		masticate
3	led	8	lilt	4	lodge			luxury		mane		mat
4	ledge		lily		loft			lye	8	maneuver	3	match
	ledger		limb		\log			lying	7	mangle	$\overline{2}$	
	left		limber		logic			lynch		mania	4	material
	leg		limbo		logical			lyrics		maniac		materialistic
	legacy		lime	9	loiter		_	-7		manicure		materialize
	legal		limestone		lonely	TO 100				manifest		maternal
	legation		limit		lonesome	M	19	macabre		manifold		maternity
	legend		limousine		long	▲. ▼ -		macadam		manipulate		mathematics
	legible		limp		longevity		6	macadani		mankind	7	
	legion		limpid		longitude		~	machination		manner		matriculate
	legislature		line		look					mannerism		matrimony
	legislature		lineage		looked		2	machine		manners		matrix
	legitimate		linear		loom		5	machinery		manor	8	
	leisure		linen		loop		3	mad		mansion	_	matter
	lemon		liner		loose					mantel		mattress
	lemonade		linger		loosen		1	made		mantle		mature
	lend				loot		8	maestro	_	manual		
			linguistic link					magazine		manufacture		maudlin maul
	length				lope			magic				
	lenient		linoleum		loquacious			magician		manure		mausoleum
	lens		lint		lord			magistrate		manuscript		maxim
	lent		lion				12	0		many		maximum
	less		lip		lose			magnate		map		may
_	lessen		liquid		loss		4	magnet		maple		maybe
	lesson		liquidate		lost		6	magnificent		mar		mayor
	lest		liquor		lot			magnify		marauder	8	
	let	7	lisp		lotion			magniloquent		marble	P	me
	lethal		list		lottery		10	magnitude		march		meadow
	lethargy		listen		loud		7	mahogany		mare .		meager
	let's		listless		lounge		4	maid		margin		meal
	letter		lit		love			mail		marginal		mean
	lettuce		literal		lovely		8	maim		marine		meander
	levee		literary		low		3	main		marital		meant
	level		literature		lower		10	mainstay		maritime		meanwhile
	lever		lithe		loyal		6	maintain		mark	6	measles
	levity		litigation		lubricant		8	maintenance	_	market		measure
	levy		litter		lubricate		6	majestic		maroon		
	lewd		little		lucid		5	majesty		marriage		mechanic
	liability		live		luck		6	major		married		mechanical
	liable		livelihood		lucky		6	majority		marry		mechanism
	liaison		lively		lucrative		P	make		marsh		medal
	liar		liver		ludicrous		8	makeshift	-	marshal		meddle
	libel		livery		luggage		2	making		marshmallow		median
	liberal		livestock		lugubrious		11	maladjustment		martinet		mediation
	liberate		livid		lull		10	malady	8	martyr		medical
5	liberty		living		lullaby		5	male	5	marvel	4	medicine
	librarian		lizard		lumber		13	malevolent	5	marvelous		medieval
2	library		llama		luminary		11	malice		mascot		mediocre
	license	3	load		luminous		9	malicious		masculine		meditate
6	lichen	5	loaf		lump		11	malign	5	mash	6	medium
	lick	5	loan		lunar			malignant	5	mask		medley
	lid	8	loathe	8	lunatic			malinger	13	masochistic	5	meek
3	lie	5	loaves	1	lunch			malleable	8	mason	3	meet
13	lien	7	lobby	5	lung			mallet	8	masquerade	7	melancholy
12	lieu	11	lobbyist	5	lunge			mama		mass	13	mellifluous
	lieutenant	7	lobster		lurch			mammal	8	massacre	6	mellow
	life	6	local	7	lure		5	mammoth	8	massage	5	melody
3	lift	8	locality		lurid		1	man		massive		melon
1	light	4	locate	6	lurk			manacle	4	mast	3	melt
4	lightning	6	location		lust			manage	3	master	5	member
	_						_	0-				

11	memento	7	mileage	5	Mister	2	moon	7	muscular	6	navigator
	memoir	_	milestone	7	mistletoe	6	mooring		muse	4	navy
	memorable		milieu		mistress		moose		museum		near
	memorandum		militant		mistrust		moot		mush		neat
	memorial		military		misty		mop		music		nebulous
	memorize		militia		misunderstand	-	moral		musical		necessary
	memory		milk		mite				musician	_	necessitate
_	men		mill		mitigate		morality		musket		necessity
	menace		millennium		mitt		morbid		muskrat		neck
	ménage .		million		mitten	1	more		must		necklace
	menagerie		millionaire		mix		morgue		mustache		necromancy need
	mend		mimic		mixture		moribund		mustard		needle
	mendacity		mind		moan		morning		musty mutation		needy
	menial	_	mine	_	mob	_	morose		mute		nefarious
	mental mention		miner		mobile mobilize	_	morsel mortal		mutilate		negative
	mentor		mineral		moccasin		mortar	-	mutiny		neglect
	menu		mingle miniature		mock				mutter		negligible
	mercenary		minimum		mode		mortgage mortify		mutton		negotiate
	merchandise	_	mining		model	7	mosaic		mutual		Negro
	merchant		minister		moderate		mosquito	_	muzzle		neighbor
_	mercury		mink		modern		mosquito		my		neighborhood
	mercy	-	minnow		modest	2	most		myriad		neither
	mere		minor		modify	_	moth		myself		nemesis
	merely		minority		modular	_	mother		mysterious		neon
	merge		minstrel		modulate		motif		mystery		neophyte
7	merit		mint		moist		_		mystical		nephew
•	meritorious		minute		moisture		motive		mystify		nerve
	mermaid		miracle		molar		motley		myth		nervous
	merry		miraculous		molasses	3	motor		mythology		nescience
	mesa		mirage		mold				5 85	1	nest
7	mesh		mire		mole	4	mound T			6	nestle
- 1		TO									
Ŀ	mess				molecular	3	mount	5	nag		net
5	mess	3	mirror mirth	8	molecular molecule	3	mount mountain		nag nail	3	
5 3	mess message	3 7	mirror mirth	8		3		2	nail	3 11	net
5 3 4	mess	3 7 13	mirror mirth misanthrope	8 8 8	molecule	$\frac{3}{2}$	mountain	$\begin{array}{c} 2 \\ 10 \end{array}$	nail naive	3 11 11	net neurotic
5 3 4 1	mess message messenger	3 7 13 13	mirror mirth	8 8 8 13	molecule molest	3 2 6 2	mountain mourn	2 10 6	nail naive naked	3 11 11	net neurotic neuter neutral
5 3 4 1 12	mess message messenger met	3 7 13 13 8	mirror mirth misanthrope miscegenation	8 8 8 13 8	molecule molest mollify	3 2 6 2	mountain mourn mouse	$\begin{array}{c} 2\\10\\6\\1\end{array}$	nail naive naked name	3 11 11 7	net neurotic neuter neutral never
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1	noise	12	nuture	3	offer	9	ordain	12	overt	4	pants
8	nomad	6	nylon	2	office	8	ordeal	6	overtake		papa
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11	nominal		-	5	official	10	ordinance	9	overwhelm		papoose
8	nominate			12	officiate	4	ordinary	4	owe		parable
8	nomination ()	2	oak	13	officious	6	ore	2	owl	4	parachute
8	nominee		oar	3	often	3	organ	2	own		parade
	nonchalant		oasis	1	oh		organic	$\overline{7}$			paradise
	noncommittal		oath		oil		organism	4			paradox
12	nondescript		oatmeal	8	ointment		organization	5	oxen		paragon
	none		oats	1	old		organize	5			paragraph
	nonentity		obdurate	5	old-fashioned		orgy		oyster		parakeet
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_	normal		objection		omit	9	originate	3			parasite
	north		objective	8	omitted	4	ornament	3	package		parcel
	northern		obligation	12	omnibus	7	ornamental	8			parch
	nose		oblige		omnipotent	9	ornate		pad		parchment
	nostril		oblique	13	omniscient	5	orphan		paddle		pardon
	not		obliterate	12	omnivorous		orphanage		pagan	7	•
	notable		oblivion	P	on		orthodox	3			parent
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	notation		obnoxious	_		13	ostensible	3	pageant paid		parish
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_	noteworthy		obsequious		only		ostrich		painful		parlance
	nothing		observation		onslaught	1	other		paint		parley
	notice		observatory		ooze	5	otherwise		painted		parliament
	noticeable		observe		opaque	3	ought		painter		parlor
	notify		obsession		open	6	ounce		painting		parochial
	notion		obsolete	6	opera	1	our		pair		parody
12	notoriety		obstacle	5	operate	1	out	5	pajamas		parole
	notorious		_		operation	8	outcast	5	pal	_	paroxysm
8	nourish		obstruct		operator	3	outdoors	3			parrot
7	novel		obtain		opiate	5	outfit		palatable	10	parry
7	novelty		obtuse	4	opinion	8	outgrowth		pale	13	parsimonious
3	November		obviate	4	opossum		outlet		palliative	2	part
	novice		obvious	7	opponent		outline		pallid	7	partial
P	now		occasion		opportune	6	outrage		pallor	7	participate
13	noxious		occasional	5	opportunity	6	outrigger		palm	7	particle
6	nozzle		occult	5	oppose	2	outside		palpable	4	particular
12	nuance		occupant	4	opposite	8	outskirts		palpitate	11	partisan
10	nucleus		occupation		opposition	6	outstanding		pamper	8	partition
7	nude		occupy	8	oppress	5	outwit		pamphlet	4	partner
5	nudge			8	oppression	6	oval		pan	1	party
5	nugget	8	occurrence	13	opprobrious	2	oven		panacea	13	parvenu
	nuisance	3		8	optical	1	over		pandemic	2	pass
11	nullify	-		9	optimistic	11	overbearing		pandemonium	5	passage
5	numb		October	7	option	6	overboard		pane	10	passé
2	number		octopus	12	opulent	8	overcast		panegyric	3	passenger
6	numeral			1	or	7	overcome		panel	7	passion
6	numerous		odious	6	oral	7	overdue		panic	10	passive
7	nun		odor	2	orange	8	overhaul		panorama	8	passport
12	nuptial		of		orator	4	overhead		pansy	2	past
	nurse		off	10	oratory	8	overlap		pant	3	paste
5	nursery		offend		orbit		overlay		panther		pastel
	nut		offense	4	orchard	6	overlook	8	pantomime	8	pasteurize
11	nutrient		offensive		orchestra	9	overpower	5	pantry	6	pastime
11	nutritious	_		7	orchid	7	oversight	_		7	pastor
			-								

	pastoral		peg		perseverance		pickle	5	plank		point
	1		pelt		persiflage		picnic	3	planned		poise
	pasture		pen	_	persist	10	pictorial	$\frac{2}{5}$	plant		poison
2	pat		penal	8	1	1	picture	5	plantation		poisonous
	patch		penalize	4	person	1	picturesque	1	plaque		poke
	patent		penalty	6	T			8	plasma		polar
	paternal		penance	9	1		•	5	plaster		pole
3	•		penchant	6	1	5	pier	6	plastic		polemic
10	pathetic		pencil		personify	9	pierce	3	plate		police policeman
	pathological		pending pendulum		personnel	0	piety	4	plateau platform		policeman
	pathos patience		*		perspective		pig	7	platinum		policy
	patient		penetentiary penetrate		perspicacious		pigeon		platitude		polisii
	patio		peninsula		perspiration		pigment pile		platoon		political
19	patriarch		penitent		persuade		pilfer		platter		politician
12	•		pennant		pertain pertinent		pilgrim		plaudit		politics
	patriot		pennies	8	perturb		pilgrimage		plausible		poll
	patriotic		penny		peruse	5	pill	P	play		pollen
	patriotism		pension		pervade		pillage		playful		pollinate
	patrol		pensive		perverse		pillar		playground		pollute
	patron		penthouse		pessimistic		pillow		playmate		polo
	patronage		penumbra		pest	3	pilot	6	plea		polygamy
	patronize		penury		pestilence	3	pin	5	plead		polyglot
	pattern		people		pet		pinch	3	pleasant		pompous
_	pauper		pep		petal	3	pine	1	please		poncho
	pause		pepper		petite		pineapple	5	pleasure		pond
_	pave	_	per		petition		pinion	12	plebeian		ponder
6	pavement	_	perceive	6	petrify		pink	5	pledge	12	ponderous
2	paw	6	percent	5	petroleum		pinnacle	6	plentiful	1	pony
8	pawn		perception		petticoat	6	pint	3	plenty	3	pool
2	pay	5	perch		petty	4	pinto	13	plethora	2	poor
7	payment	13	peremptory		petulant	4	pioneer	10	pliable		pop
3	pea	11	perennial	6	pew	8	pious	6	pliers	2	popcorn
4	peace	4	perfect	9	pewter	2	pipe	8	plight	4	poppy
4	peaceful		perfection	6	phantom		piquant	5	plod		populace
4	peach		perfidious	8	pharmacy		pique	5	plot		popular
	peacock		perforate	7	phase		pirate	3	plow		populate
	peak		perform		pheasant	12	pirouette	5	pluck		population
	peal		performance		phenomenal	5	pistol	4	plug		populous
	peanut		perfume		phenomenon		piston	_	plum		porcelain
	pear		perfunctory		philanthropist		pit		plumage		porch
	pearl		perhaps		philanthropy		pitch	6	1		porcupine
	peasant		peril		philistine		pitcher	10	plume		pore
	pebble		perimeter		philology	10	piteous		plummet		pork
	pecan		period		philosopher	7	pitfall	5 6	plump plunder		porous porridge
	peccadillo		periodical		philosophy	7	pitiful	6	plunge		portuge
	peck peculiar		peripatetic		phlegmatic		pittance		plural		portable
	pecuniary		periscope		phone		pity pivot		plurality		portable
	pedagogy		perish perishable		phonograph		placard	6	plus		portan
	pedal		perjury		photograph photographer		placate	8	plus		porter
	pedantic	_	permanent		photostat		place	7	plywood		portfolio
	peddle		permeate		phrase		placid	5	P.M.		portion
	peddler		permission		physical		plagiarize		pneumatic		portly
	pedestal		permit		physician		plague	8	pneumonia		portrait
	pedestrian		permutation		physicist	8	plaid	8	poach	8	portray
	pedigree		pernicious		physics		plain	1	pocket		pose
	peek		perpendicular		physiology		plaintive	5	pod		position
	peel		perpetrate		physique		plan	5	poem		positive
	peep		perpetual		piano		plane	6	poet		possess
	peer		perplex		pick		planet		poetry		possession
	peerless		persecute		picket		plangent		poignant		possibility
					•		-				

3	possible		prefer		prior	3	promise	8	provisional		push
4	possibly	7	preferable	9	priority	12	promissory	8	provoke	13	pusillanimous
3	post	7	preference	9	prism	12	promontory	6	prow	1	put
5	postage	9	prefix	4	prison	6	promote	12	prowess	10	putrid
5	poster	10	pregnant	4	prisoner	6	promotion	5	prowl		putty
11	posterior	9	prehistoric	13	pristine	5	prompt	12	proximity	3	puzzle
8	posterity	7	prejudice	8	privacy	13	promulgate	11	proxy		pygmy
12	posthumous	10	preliminary	4	private	8	prone	10	prudent	7	pyramid
4	postman	10	prelude	12	privation	7	prong	6	prune		
7	postpone	10	premature	6	privilege	4	pronounce	7	pry		
8	postscript	7	premium	1	prize	5	pronunciation	7	psalm	2	quack
12	postulate	11	premonition	8	probability	4	proof	12	pseudo	W.J	quadrant
6	posture	10	preoccupy	7	probable	5	prop	12	pseudonym		quadruple
3	pot	8	prepaid	3	probably	8	propaganda	12	psyche		quaff
3	potato	4	preparation	9	probation	12	propagate	10	psychiatrist		quail
11	potent		prepare	8	probe	7	propel	10	psychology		quaint
8	potential		preponderance	13	probity	9	propel	11	psychosis		quake
8	potion		preposterous	4	problem	5	propeller	5	public		qualification
4	pottery	12	prerogative	8	procedure	13	propensity	7	publication		qualify
5	pouch	13	prescience	5	proceed	5	proper	7	publicity		quality
6	poultry	8	prescribe	6	process	5	properly	6	publish		qualm
5	pounce	8	prescription	6	procession	4	property	6	publisher		quandary
3	pound		presence	6	proclaim	8	prophecy	5	pudding		quantity
3	pour		present	8	proclamation	8	prophet	2	puddle		quarantine
7	pout	12	presentiment	12	procrastinate	13	propiquity	13	puerile		quarrel
5	poverty	4	preserve	13	procreate	13	propitiate	3	puff		quarry
4	powder	7	preside	11	procure	12	propitious	11	pugilist		quart
3	power	3	president	11	prodigal	6	proportion	11	pugnacious		quarter
6	powerful	6	presidential	12	prodigious	7	proposal	1	pull		quartet
5	practical	3	press	12	prodigy	6	propose	5	pulley		queen
3	practice	5	pressure	5	produce	7	proposition	6	pulp		queer
12	pragmatic	7	prestige	5	product	12	propound	8	pulpit		quell
4	prairie	10	prestige	6	production	7	proprietor	6	pulse		quench
4	praise	6	presume	11	profane	11	propriety	10	pulverize		querulous
4	prance	11	presumptuous	10	profess	8	propulsion		pump		query
7	prank	3	pretend	6	profession	12	prosaic	4	pumpkin		quest
4	pray	8	pretense	6	professional	10	prose	5	punch		question
4	prayer	12	pretentious		professor	8	prosecute	13	punctilious		questionnaire
5	preach	12	pretext		proficient	6	prospect	7	punctual	11	quibble
	precarious	1	pretty	8	profile	7	prospector		punctuate		quick
9	precaution	6	prevail		profit	11	prospectus	7	punctuation	2	quickly
7	precede	10	prevalent		profitable	8	prosper		puncture	12	quiescent
12	precedent	12	prevaricate		profound	8	prosperity		pundit	2	quiet
12	precept	5	prevent		profuse		prosperous		pungent	4	quill
10	precinct		prevention		progeny		prostrate		punish	4	quilt
4	precious		preview		program		protagonist		punishment	12	quintessence
8	precipice	6	previous		progress		protect		pup	4	quit
8	precipitation		prey		progression		protection		pupil	3	quite
8	precise	3	price		progressive		protégé	2	puppet	4	quiver
7	precision		prick		prohibit		protest	1	puppy	13	quixotic
12	preclude		pride		prohibition		protocol	5	purchase	6	quiz
12	precocious		priest		project		prototype	5	pure	8	quizzical
13	precursor		prim		projectile		protract		purge	8	quota
	predatory		primary	_	projection		protrude	6	purify		quotation
	predecessor		prime	8	projector		proud	8	purity		quote
	predicament		primeval		proletariat	3	prove	3	purple	13	quotidian
	predict		primitive		prolific	8	proverb		purport		
13			prince		prolix		provide	_	purpose		
10	predominant		princess		prolong		providence		purse	6	rabbi
	preeminent		principal		promenade		province		pursuant		rabbit
	prefabricated		principle		prominent		provincial		pursue		rabble
9	preface	2	print	12	promiscuous	7	provision	7	pursuit	11	rabid

	raccoon		raucous		recoil		regenerate		remittance		request
	race		ravage		recollection		regent		remnant		require
	racial		rave		recommend		regime		remonstrate		requirement
	rack		raven		recommendation		regimen		remorse		requisite
	racket		ravenous		recompense		regiment		remote		requisition
	raconteur		ravenous		reconcile		region		removal		rescind
	radar	_	ravine		recondite		register		remove		rescue
	radiant		ravish		reconnaissance		registration		remuneration renaissance		research resemble
	radiate radiator	_	raw		record recorder		regret		rend		resemble
			ray		recorder	8	regrettable		render		reservation
	radical radio		rayon raze		recount		regular		renegade		reservation
	radish		razor		recourse		regulation		renegade	6	reservoir
	radium		reach		recovery		regulator regurgitate		renew	-	reside
	radius		reaction				rehabilitate		renewal		residence
	raft		read	_	recrimination		rehearsal	_	renounce		resident
	rafter		readily		recruit		_		renovate		
	rag		readiness		rectangle		reign		renown		residue
	rage		readjust		rectify		reimburse		rent		resign
	ragged		ready		recumbent		reindeer		rental		resilient
	raid		real		recuperate		reinforce	•	reorganize		resist
	rail		realist		recur		reins		repair	6	resistance
-	railroad		reality		recurrence	10	_		reparation	11	resolute
	railway		realize		red		reiterate		repartée		resolution
	raiment		really				reject		repay	6	resolve
	rain		realm		redress		rejoice		repeal	11	resonance
	raise		reap		reduce		rejuvenate		repeat	6	resort
	raisin		rear		reduction		<u> </u>		repel	8	resource
	rake	_	reason		redundant		relate		repent	8	resourceful
	rally	_	reasonable		reed		relation		repertory	3	respect
	ram		reassure		reef	6	relationship		repetition		respectable
	ramification	11	rebate	7	reek		relative		replace		respectful
	ramp	6	rebel	5	reel	5	relax		replenish	11	respective
	rampant	7	rebellion	6	refer		relay		replete	7	respiration
	rampart	9	rebound		referee		release		replica	12	respite
_	ran	10	rebuff	6	reference	12	relegate		replied		· ·
2	ranch	7	rebuild	12	referendum		relent	3	reply	6	respond
12	rancor	13	recalcitrant	6	refine	12	relevant	4	report	6	response
9	random	7	recall	9	refinery	7	reliable	11	repose	6	responsibility
3	rang	13	recant	5	reflect	8	reliance	12	repository	4	responsible
4	range	12	recapitulate	5	reflection	8	relic	13	reprehensible	2	rest
6	rank	8	recede	8	reflex	4	relief	4	represent	5	restaurant
11	ransack	6	receipt	6	reform		relieve		representation		restitution
5	ransom		receive	10	reformatory		religion	6	representative		restless
	rant	6	recent		refraction		religious		repress		restoration
6	rap		recently		refractory		relinquish		reprieve		restore
	rapacious		receptacle		refrain		relish		reprimand		restrain
	rapid		reception		refrain		reluctant		reprisal		restraint
	rapidly		recess	-	refresh		rely		reproach		restrict
9	rapture		recession		refreshment	3	remain		reprobate		result
	rare		recipe		refrigerator	7	remainder		reproduce		resume
	rarity		recipient		refuge		remark		reproduction		resurgent
	rascal		reciprocate		refugee		remarkable		reproof		resurrection
	rash		recital		refund		remedial		reprove		retail
	raspberry		recitation		refusal		remedy		reptile		retain
	rat		recite		refuse				republic		retaliate
	rate		reckless		refute		remembrance		Republican		retard
	rather		reckon		regain		remind		repudiate		retention
	ratify		reclaim		regal		reminiscent		repugnant		reticence
	ratio		recline		regale		remiss		repulsive		retina
	ration		recluse		regard		remission		reputable		retire
	rational		recognition	6	regardless	8	remit	5	reputation	6	retort
3	rattle	3	recognize								
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					_							
9	retract	5	ripple		4	ruby	2	same	3	scatter	11	secede
-	retreat		rise			rudder		sample		scavenger		secluded
	retribution		risible			rude		sanctify	3	_		second
	retrieve		risk			rudiment		sanction	_	scenery		secondary
	retrospect		rite			rue		sanctuary	7			secrecy
	return		ritual			ruffle		sand	3	scent		secret
	reveal		rival			rug		sandal	6	schedule		secretary
	revel		rivalry			rugged		sandwich	5	scheme		secrete
	revelation		river			ruin	7	sane	13		_	sect
_						rule	-			scholar		section
_	revenge		rivet		-			sang				
	revenue		roach		-	ruler		sanguine	1	school		sector
	reverberation		road			rumble		sanitarium	5			secular
_	reverence		roam			ruminate		sanitary		science		secure
	reverend		roar		_	rummage		sanitation		scientific		security
_	reverie		roast			rumor		sanity		scientist		sedan
	reverse		rob			run		sank		scintillating		sedate
	revert	-	robber			rung		sap		scion		sedative
	review		robe			running		sapling	4	scissors		sedentary
	revile	4	robin			rupture		sarcasm		scoff		sediment
8	revise	7	robot		6	rural	7	sardine	4	scold		sedulous
8	revision	9	robust			ruse	12	sardonic	4	scoop	P	see
6	revive	2	rock		3	rush	13	sartorial	4	scooter	2	seed
10	revoke	4	rocket		5	rust	6	sash	10	scope	5	seek
5	revolution	5	rod		8	rustic	1	sat	8	scorch	2	seem
5	revolutionary	2	rode		4	rustle	7	satchel	4	score	2	seen
	revolve		rodent			rut	5	satellite	5	scorn	5	seep
	revolver		rodeo		8	ruthless	13	satiate	8	scoundrel		seethe
	revue		rogue			rye		satin		scour		segment
	revulsion		role		-	-3 -		satire		scourge		segregate
	reward		roll	\sim				satisfaction		scout		seize
	rhapsody		roller	S	0	Sabbath		satisfactory		scowl		seldom
	rhetoric		romance			sack		satisfy		scramble		select
	rheumatism		romantic					satrap		scrap		selection
	rhyme		roof			sacred		saturate		scrape		self
	rhythm		room			sacrifice		Saturday		scratch		selfish
	rib		roommate			sacrilege		saturnine	3	scream		sell
_	ribald		roost			sad		sauce		screech		semblance
	ribbon		rooster			saddle		saucer		screen		semester
	rice		root			safe		saunter		screen		semicircle
	rich					safely			-		_	
		2	rope			safety		sausage		scribble		senate
	ricochet		rose			sag		savage		scrimmage		senator send
	rid		roster			saga		save		script		
	riddle		rostrum			sagacity		saving		scripture		senile
	ride		rot			said		savory		scroll		senior
	ridge		rotary			sail		saw		scrub		sensation
	ridiculous		rotate			sailor		say		scruple		sense
	riding		rotation			saint		scaffold		scrutinize		sensible
	rife		rote			sake		scald		scuffle		sensitive
	rifle		rotten			salacious		scale		sculptor		sensory
	rift		rough		4	salad		scalp		sculpture		sensual
	rig		round		5	salary		scaly		scum		sent
	right	6	rouse		3	sale		scamper		scurrilous		sentence
	righteous		rout		12	salient		scan		scurry		sententious
	rigid		route		7	saliva		scandal		scythe		sentiment
11	rigorous		routine			sally	5	scant	2	sea		sentimental
	rim	5	rove			salmon	11	scapegoat	4	seal	8	sentinel
2	ring	9	rove			salt		scar	6	seam		sentry
	rink	2	row			salubrious	3	scarce	4	seaport	5	separate
	rinse		royal			salutary		scare		sear		September
	riot		rub			salute		scarf		search		sequel
	rip		rubber			salvage		scarlet		season		sequence
	ripe		rubbish			salvage		scathing		seat	8	serenade
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9	serene		sheriff		silence		slang		snack		somehow
	U		shibboleth		silent silhouette	4	slant		snail		someone
7	serial		shield			3	slap	_	snake		somersault
5	series		shift		silk	5	slash		snap		something
			shilling		sill	6	slate		snare		sometimes
6	sermon		shimmer		silly	6	slaughter		snarl		somewhat
5	serpent	3	shine		silver	5	slave		snatch		somewhere
7	serum		shingle		similar	6	slavery		sneak		somnambulist
4	servant		shiny		simile	6	slay		sneer		somnolent
3	serve		ship		simple	2			sneeze		son
			shirk		simulate		sledge		snicker		song
	servile		shirt		simultaneous	6	sleek		sniff		sonorous
11	servitude		shiver		sin	Ţ	sleep	_	snob	1	soon
	session		shock		since	3	sleepy		snore		soot
	set		shoe		sincere	6	sleet		snort		soothe
	setting		shoes		sincerely	4			snout		sophomore
	settle		shone		sinecure	3	U		snow		soporific
5	settlement		shook		sinew	4	slender		snowstorm		soprano
_	settler		shoot		sing	3	slept		snub		sordid
			shop		singe	5	slice		snug		sore
4	seventeen		shore		single	5	slick		so		sorority
			short		singular	4	slid		soak		sorrow
	seventy		shortage		sinister	3	slide		soap	2	sorry
9	sever		shot		sink	5	slight		soar		sort
3	several		should		sinuous	6	slim		sob		sought
11	severance		shoulder		sip	7	slime		sober		soujourn
5	severe		shout		siphon	6	0		sobriety		soul
4	sew		shove		sir		slip		soccer		sound
7	sewer		shovel		sire		slipper		social	2	soup
7	sex		show		siren	4			socialist		sour
			shower		sister		slit		society		source
	shack		shred		sit	7	slogan		sock		south
	shade		shreik		site		slope		socket		southern
	shadow		shrewd		sitting		slot		sod		souvenir
	shaft		shrill		situation		slothful		soda		sovereign
	shaggy		shrimp		six	11	<i>J</i>		sodden		sow
	shake		shrine		sixteen	2	slow		sofa		space
	shall		shrink		sixth		slowly		soft		spade
	shallow		shrivel		sixty		sluggish		softly		spaghetti
	sham		shroud		size		slum		soil	6	span
	shame		shrub		skate				solace		spangle
	shampoo		shrug		skeleton		slump		solar		spaniel
	shank		shudder		skeptical		slung		sold		spank
	shape		shuffle		sketch		slur		soldier		spare
	share		shun		ski	6			sole		spark
	shark		shut		skid	5	U		solemn		sparkle
	sharp		shutter		skill				solicit		sparrow
	shatter		shy		skillful				solicitous		sparse
	shave		sick		skim	6	smash		solid		spasm
	shawl		sickness		skin	6			soliloquy		speak
	she		side		skip		smell		solitary		spear
	shear		sidewalk		skirmish				solitude		special
	sheath		siege		skirt		smile		solo		specialist
	shed		siesta		skull	9			solstice		species
	sheep		sieve		skunk	9			soluble		specific
	sheer		sift		sky	3	smoke		solution		specification
	sheet		sigh		skyscraper	3	smooth		solve		specify
	shelf		sight		slab	9			solvent		specimen
	shell	2	sign		slack	5			somber		specious
	shellac		signal		slain	7	smoulder		sombrero		speck
	shelter		signature		slam	7	smudge		some		spectacle
4	shepherd	8	signify	8	slander	6	smuggle	3	somebody	7	spectacular

				.			,				
7	spectator	6	spurt	2	station	6	storage	3	stump	2	suit
	spectrum		sputter	5	stationary	1	store	5	stun	6	suitable
7	speculate		spy	5	stationery	2	stories	6	stung	4	suitcase
5	sped		squad	11	statistics	6	stork	5	stunt	7	suite
4	speech	6	squadron	4	statue	2	storm	10	stupefy	7	suitor
3	speed	12	squalid	12	stature		story	3	stupid	7	sulk
7	speedometer	11	squander		status	3	stout	10	stupor		sullen
4	spell		square		statute		stove	5	sturdy		sully
	spelling		squash	9	staunch		stow	5	style		sulphur
	spend		squat	1	•		straight	10	suave		sultry
	spendthrift		squawk		steadfast		strain	7	2 41.0 41.0		sum
	spent		squeak		steadily		strait		subject		summary
	sphere		squeal		steady		strand		subjugate		summer
	spice		squeamish		steak		strange		sublimate		summit
	spider		squeeze		steal		stranger	9			summon
	spike		squint		stealthy		strangle	6			sumptuous
3	spill		squire		steam		strap		submerge	1	sun
3	spin		squirm		steel		strata	6		3	Sunday
	spinach		squirrel		steep		strategy	8	subordinate		sundry
	spine		squirt Sr.		steeple steer	8	stratosphere straw	9 7			sung sunk
	spinster		stab		stem	_			subscribe subscription		
	spiral		stability		stench		strawberry stray		subscription		superannuated
	spire spirit		stability		stenographer		streak		subsequent		superb supercilious
Q Q	spiritual		stack		stentorian		stream		subside		superficial
6	spit		stadium		step		street		subsidiary		superfluous
	spite		staff		stereotype		strength		subsidy		superimpose
	splash		stag		sterile		strenuous	11			superintendent
	splendid		stage		sterilize		stress		substance		superior
	splice		stagger		sterling	3		8	substantial		superlative
7	splint		stagnant		stern		strewn	-	substitute		supernatural
6			staid		stew	9	stricken		subterfuge		supersede
			stain		steward		strict	8	_		superstition
	spoil	2	stairs	2	stick	4	stride	5	subtract		superstructure
	spoke	4	stake	3	stiff	13	strident	5	subtraction		supervise
	sponge	6	stale	7	stifle	5	strife	7	suburb	7	supervisor
8	sponsor	4	stalk		stigma		strike	2	subway		supine
10	spontaneous		stall		still	2	string	4	succeed		supper
	spool	4	stallion		stilt		stringent	4			supplant
	spoon	10	stalwart		stimulate		strip		successful		supple
	sporadic		stamina		stimulus		stripe		succession		supplement
4	sport		stammer		sting		strive		successor		supplication
7	sportsmanship		stamp		stingy		strode		succinct		supplies
	spot		stampede		stint		stroke		succor		supply
	spouse		stance		stipend		stroll		succulent		support
	spout		stand		stipulate		strong		succumb		suppose
	sprain		standard		stir		struck		such		suppress
	sprang		stanza		stitch		structure		suck		supreme
	sprawl		staple		stock		struggle		sudden		sure
	spray		star		stockade		strung strut	7	suddenly		surf surface
	spread		starboard		stocking stoic		stub	•	sue suede		surfeit
	spring		starch		stole	-	stubble		suffer		surge
	sprinkle sprint		stare stark		stolen		stubble		suffice		surgeon
	sprint		stark		stolid		stucco		sufficient		surgery
	spruce		startle		stomach		stuck		suffix		surly
	sprung		starvation		stone		student		suffocate		surmise
	sprung		starve		stood		studio		suffused		surmount
5	spun		state		stool		studious		sugar		surpass
5	spur		statement		stoop		study		suggest		surplus
13	spurious		statesman		stop		stuff		suggestion		surprise
	spurn		static		stopped		stumble		suicide		surrender
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	surreptitious		synchronize		tawny		test		three		toboggan
4	surround		syndicate	5	tax		testament		thresh	2	today
12	surveillance		synonym	5	taxi		testify	2	threw		toe
5	survey	8	synopsis	4	tea	7	testimony	4	thrift	2	together
8	survival	11	synthesis	2	teach	7	tether	4	thrifty	5	toil
7	survive			2	teacher		text	4	thrill	6	token
8	survivor		syrup		team		textile		thrilling	1	told
11	susceptible				tear		texture		thrive		tolerable
	suspect		systematic	$\dot{2}$	tease	1	than		throat		tolerate
		O	systematic		technical		thank		throb		toll
_	suspend								throne		
7	suspenders 77	_		9	technique		thankful		throttle		tomato
6	suspense		table	1	tedious		Thanksgiving	_			tomb
6	suspension		tablet		teeth		that		through		tome
7	suspicion	8	taboo		telegram		thatch		throughout		tomorrow
5	suspicious	10	tabulate		telegraph		thaw		throw		ton
7	sustain	13	tacit	2	telephone	P	the	5	thrown	6	tone
12	sustenance	12	taciturn	4	telescope	5	theater	5	thrust	7	tongs
3	swallow		tack	9	telescope	6	thee	5	thud	4	tongue
3	swam			2	television	6	theft	4	thumb		tonic
4	swamp	8	tact	1	tell	1	their	4	thump		tonight
	swan	-			temerity		them		thunder		too
•	swap		tag tail		temper		theme		Thursday		took
	swarm				temperance		themselves		thus	_	tool
			tailor				then		thwart		toot
	swarthy	-	taint		temperate			_			-
	swat		take		temperature		theorem		thy		tooth
	swathe		taken		tempest		theory		ticket		toothpaste
_	sway	4	tale		temple		therapeutic		tickle		top
6	swear	5	talent		tempo		there		tide	_	topic
5	sweat	1	talk		temporary		therefore		tidy		topography
	sweater	2	tall		tempt	10	thermal		tie		torch
3	sweep	7	tallow		temptation		thermometer	10	tier	4	tore
3	sweet	7	talon	2	ten	5	thermostat	4	tiger	6	torment
4	swell		tame	12	tenacious	1	these	3	tight	5	torn
4	swept		tan	9	tenant	11	thesis		tile	6	tornado
_	swerve		tangent	5	tend	1	they	3	till	6	torpedo
	swift		tangerine	8	tendency	3	thick		tilt		torpid
_	swim		tangible		tender		thicket		timber		torrent
	swindle			_	tenement		thief	1	time		torrid
_	_		tangle		tenet		thigh		timely	-	torrid
	swing swirl				tennis		thimble		timid		torso
			tantalize	_		_					
	swish		tantamount		tenor		thin		timorous		tortillas
	switch		tantrum		tense		thing		tin		tortuous
	swivel	3	tap		tension		think		tincture	_	torture
	swollen	4	tape		tent		third		tinder		toss
7	swoon	6	taper	6	tentacle		thirst	6	tingle		total
4	swoop	7	tapestry	11	tentative		thirsty	5	tinker	_	touch
4	sword		tar	4	tenth	3	thirteen		tinsel	4	touchdown
6	swore	4	target	11	tenure	3	thirty	6	tint	4	tough
6	sworn		tariff	4	tepee	\mathbf{P}	this	2	tiny	5	tour
	swung		tarnish	11	tepid		thistle		tip	5	tourist
	sycophant		tarpaulin		term		thong		tirade	5	tournament
	syllable		tart		terminal		thorn		tire	5	tow
	syllogism				terminate		thorough		tired		toward
			_		terpsichorean		those		tissue		toward
	sylvan										
	symbol		taste		terrace		thou		titanic		tower
	symmetry		tatter		terrible		though		tithe		town
	sympathetic	7	tattoo		terrific		thought		title		toy
	sympathy	3	taught	5	terrify		thousand		titular		trace
7	symphony		taunt	5	territory		thrash		to		track
	symposium		taut	4	terror	3	thread		toad	7	tract
	symptom		tavern	11	terse	6	threat	3	toast	12	tractable
	synagogue		tawdry		tertiary		threaten		tobacco		traction
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	ractor	-	trench	-	tuna		uneasy		vacation		venture
	rade		trenchant		tundra		unerring		vaccination		veracity
	radition	_	trend		tune		unexpected		vacillate		veranda
	raffic		trepidation		tunic		unfounded	-	vacuum		verdant
	ragedy		trespass		tunnel		unhappy		vagabond		verdict
	ragic		trestle	-	turban	4	unicorn		vagary		verge
	rail		trial		turbulent		uniform		vagrant		verify
	railer		triangle		turf		unify		vague		veritable
$\frac{1}{2}$ tr			tribe		turgid		union		vain		vernacular
7 tr			tributary		turkey	7	unique		valentine		vernal
	raitor		tribute		turmoil	8	unison		valet		versatile
	rajectory	_	trick		turn	4	unit		valiant		verse
	ramp	_	trickle		turnip	$\frac{7}{3}$	unite		valid	8	version
	rample		tried		turnpike	3 3	unite United States		valise	_	versus vertebrate
	rance		trifle		turpentine turret	- э 8	universal		valley valor		vertical
	ranquil		trigger		turtle	5	universal		valuable		vertiginous
	ransaction		trim trio		tusk	-	university		value		very
	ranscend				tutelage		unkempt		valve		versel
	ranscribe ransfer		trip		tutor	3	unless		van		vest
			triple		twelfth	6	unravel		vandal		vested
	ransform		tripod		twelve	7			vanguard		vestibule
	ransfusion		trite		twenty	2	unruly until		vanilla		vestige
	ransgress		triumph triumphant		twice				vanish		veteran
	ransient ransit		trivial		twig	3			vanity		veterinary
			trolley		twilight	-	unwitting		vanquish		veto
	ransition		troop		twin	13	•		vantage		via
	ransitory ranslate		trophy		twine		up		vapid	9	
	ranslucent		tropical		twinge		upbraid		vapor	-	vibrant
	ransmission		tropics		twinkle		upheaval		variable		vibrate
	ransmit		trot	-	twirl		upheld		variance		vibration
	ransmute		trouble		twist		upholster		variation		vicarious
	ransom	_	trough		twitch		upon	-	variegated		vice
	ransom		troupe		two	8	uproar		variety		vice president
	ransparent	_	trousers		type	4	upset		various		vicinity
	ransplant		trout		typewriter	3	upstairs		varnish	5	vicious
	ransport		trowel		typhoon	5	upward		varsity	13	
	ransportation		truant		typical	7	uranium		vary		victim
	ranspose		truce		typify	10	urban		vascular	7	victorious
3 tr			truck		tyrant		urchin	4	vase	4	victory
	rapeze		truculent				urge	5	vast		vie
	rash		trudge TT				urgent		vat	4	view
	rauma		true	13	ubiquitous	7	urn		vaudeville	10	vigil
	ravail		truism		ugly	1	us	6	vault	10	vigilant
	ravel	8	trump		ulterior	10	usage	13	vaunt	6	vigor
	raverse		trumpet .		ultimate	2	use	11	veer	7	vigorous
12 tr	ravesty	13	truncheon		ultimatum	2	useful	3	vegetable	7	vile
4 tr		2	trunk		umbrage	3	usual	6	vegetation	2	village
	reacherous	3	trust		umbrella	3	usually	11	vehement	7	villain
6 tr	read	3	truth		umpire	12	usurp	5	vehicle	12	vindicate
6 tr	reason	1	try		unanimous	13	usury	5	veil		vindictive
3 tr	reasure	11	tryst	1	uncle	6	utensil	6	vein	4	vine
4 tr	reat	4	tub		uncouth		utilitarian		velocity		vinegar
11 tr	reatise	3	tube		unction	7	utilize		velvet		vineyard
6 tr	reatment	7	tuberculosis		unctuous				vendor		vintage
4 tr	reaty		tuck		under		utter		veneer		violate
1 tr	ree	4	Tuesday		underneath	13	uxorious		venerate		violence
6 tr			tug	3	understand				vengeance		violent
3 tr	remble		tuition		understood \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				venison		violet
5 tr	remendous		tulip		undertake V	8	vacancy		venom		violin
$\Omega \rightarrow$	remor	3	tumble	9	undertone	6	vacant	7	vent		virago
	remulous		tumult	_		U	· acarro	^	ventilate	_	virgin

11	virile	6	waiter	3	weep		wild		3 wreck
10	virtual	11	waiver		weigh		wilderness		6 wren
8	virtue		wake		weight		will		6 wrench
	virtuoso		walk		weird		willing		2 wrest
	virulence		walked		welcome		willow		5 wrestle
	virus	-	wall		weld		wilt		7 wretched
	visage		wallet		welfare		wily		6 wring
	vise		walnut		well		win		4 wrinkle
	visible		walrus		we'll		wind		4 wrist
	vision	-	waltz		welt		window		2 write
	visit		wan		wend		windshield		8 writhe
	visitor		wand		went		wine		3 written
	visor		wander		wept		wing		2 wrong
	visualize		wane		were		wink		3 wrote
	vital		want		we're		winter		
	vitality		wanton		weren't		wipe	X	
	vitamin		war		west		wire		6 X-ray
	vitiate		ward		western		wisdom	1	3 xenophobia
	vitriolic		warden		westward		wise		
	vivacious		wardrobe		wet		wish	V	
	vivid		warehouse		we've		wistful	I	6 yacht
	vocabulary		wares		whale		wit		6 yam
	vocal		warily		wharf		witch		1 yard
	vocation	$\frac{2}{2}$	warm		what		with		5 yarn
	vociferous		warmth		wheat		wither		4 yawn
	vogue		warn		wheel		withhold		1 year
	voice		warp		wheelbarrow		without		8 yearn
	void	7	warrant		wheeze		witness		6 yeast
	volatile		warrior		when		wizard		4 yell
	volcano		wart		where		wobble		1 yellow
	volition	7	wary		whet		woke wolf		5 yelp
	volley	1	was wash		whether				P yes
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	volume		wash t		while whim	ა 3	women won		3 yet
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	voluptuous		watch		whimsical		wonderful		5 yoke
	vomit	1	water		whine		wondrous		6 yolk
	voracious		watermelon		whip		won't		5 yonder
	vote		wave		whirl		wood		P you
	vouch	_	waver		whisk		woodpecker		2 you'll
	vouch		wax		whiskers		woodpeeker		2 young
	voucher		way		whisper		word		6 youngster
	voucher		wayward		whistle		wore		1 your
_	vowel		we		white		work		3 you're
	voyage		weak		whittle		world		2 yourself
	vulcanize		wealth		who		worm		5 youth
	vulgar		wealthy		whole		worn		3 you've
	vulnerable		wean		wholly		worry		
	vulture		weapon		whom		worse	${\bf Z}$	
Ū	variatio		wear		whoop		worship		8 zeal
~			weary		whose		worst		3 zealot
/ 1	waddle		weather		why		worth		2 zealous
	wadule		weave		wicked		would	1	1 zenith
	waffle		web		wide		wouldn't		4 zero
	wame		wed		widow		wound		8 zest
	wages		wedding		width		woven	_	6 zigzag
	wages wagon		wedge		wield		wrangle	1	1 zodiac
	waif		Wednesday		wife		wrap		4 zone
	wail		wee		wig		wrath		1 zoo
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Math 1-3

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A	abacus (III*)	collection (IV)		divisor (VII)		from (II)
	about (III)	column (III)		do (V)		function (IV)
	above (III)	combination (VII)		dollar (III)		Tunetion (IV)
	across (V)	comma (VII)		double (V)	G	gallon (III)
	add (I)	common factor (VII)		down (V)		geometric (VII)
	addend (II)	common multiple (VII)		dozen (III)		·
	addition (II)	common property, -ties		dozen (III)		geometry (V)
			E			given set (VII)
	addition sign (VII)	(VII)		each (I)		graph (IV)
	addition table (VI)	commutative (VII)		edge (VI)		great (III)
	after (III)	commutative law (VII)		eight (III)		greater than (III)
	algorithm (VII)	commutative property				
				eighteen (VII)		grid (VI)
	alike (VII)	(VII)		eighth (VI)		group (III)
	all (in all) (II)	compare (V)		eighty (V)		grouping principle
	altogether (VI)	compare, -paring sets		element (VII)		(VII)
	amount (III)	$(\tilde{\mathbf{V}})$		eleven (VI)		
	amount product (VII)	complete (III)				grouping property
				ellipse (VII)		(VII)
	angle (III)	complete the equation		empty (VII)		grouping rule (VII)
	apart (VII)	(V)		empty set (VII)		
	Arabic numerals (VII)	compute (VII)		end point (III)	—	half, halves (III)
	area (III)	concave (VI)				nair, naives (111)
				enough (VI)		half-past (IV)
	around (III)	connect (V)		equal (III)		height (VII)
	array (VII)	connecting points (VII)		equally (IV)		hexagon (VII)
	as great as (VII)	contain (VII)		equation (I)		high (VII)
	as many as (V)	convex (VI)		equilateral (VII)		
	as much as (VI)	coordinates (IV)				horizontal line (VII)
				equivalence (VII)		hour (III)
	associative (VII)	corner (IV)		equivalent (IV)		how far (VII)
	associative law (VII)	corner point (VII)		equivalent sets (VI)		how few (VII)
	associative property	cost (II)		estimate (IV)		
	(VI)	count (III)				how long (IV)
	(V 1)			estimating area (VII)		how many (I)
B		counting numbers (IV)		even (III)		how much (II)
	base (VII)	cube (V)		even number (III)		hundred (I)
	base ten (VII)	cubic (VII)		expand (VII)		hypotenuse (VII)
	before (III)	cup (III)		expanded notation (V)		hypotenuse (VII)
		curve (III)				
	below (II)			expanded numeral (VI)	1	identify (VII)
	between (III)	curved line (VII)				identity element (VII)
	big (VII)	cylinder (VII)	F	fact (IV)		inch (I)
	both (VI)			factor (III)		
	bottom (VII)	day (II)				inequalities (VI)
				far (IV)		infinite set (VII)
	braces (VII)	decimal (VII)		fast (VI)		inquiry (VII)
	by (II)	degree, -s (IV)		few (IV)		inside (III)
		diagonal (VI)		fifteen (V)		
	calendar (VII)	diameter (VII)		fifth (IV)		instead of (VII)
		difference (III)				intersect (VI)
	cardinal number (VI)			fifty (IV)		intersection of sets
	cent (I)	different (III)		figure (III)		(VII)
	center (VI)	digit (III)		first (III)		inverse (VII)
	centimeter (IV)	dime (III)		five (II)		
	, ,	distance (V)				inverse operation (VII)
	change (IV)	distributive (VI)		foot, feet (II)		isosceles (VII)
	changing the order	UISLIHOBLIVE LVII		form (horizontal) (III)		

changing the order

circular region (VII)

(VII)

circle (III)

clock (III)

close (III)

distributive (VI)

(VII)

divide (III)

dividend (VII)

division (III)

divisible by (VII)

distributive property

form (horizontal) (III)

fraction, fractional (III)

join (III)

(VII)

join sets (VII)

joining and taking

joining equivalent sets

apart (VII)

forty (IV)

fourteen (VI)

fourth (III)

frame (III)

four (II)

^{*}Roman numeral after each word refers to Frequency Category.

1	1 (TTT)
	large (III)
	last (IV)
	lattice (VII)
	left (II)
	length (III)
	less (III)
	less than (II)
	line (II)
	line segment (III)
	linear measure (VII) liquid measure (VII)
	little (V)
	location (VI)
	long (III)
	long way (VII)
	longer than (VII)
	• • • •
M	.many (III) .match (III)
T A T	many (III)
	match (III) matching one-to-
	one/one-to-one
	matching (V)
	mathematics (VII)
	measure, measurement
	(III)
	member (of a set) (III)
	metric (VII)
	middle (VII)
	midpoint (VII)
	mile (III)
	million (VII)
	minuend (VII)
	minus (VII)
	minute (III)
	missing (II)
	missing factor (V)
	model (VII)
	model factor (VII)
	model set (VII)
	money (III)
	more (II)
	more than (III)
	most (III)
	multiple (III)
	multiplication (II)
	multiply (III)
NT	
TA	name (I)
	name factor (VII)
	naming numeral (VII)
	natural order of
	numbers (VII)
	near (III)
	negative number (VII)

next (III)

nickel (III)

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nine (III)
nineteen (VII)
ninety (IV)
ninth (VI)
none (VII)
nonequivalent sets
  (VII)
nonmetric (VII)
not (III)
not equivalent (VII)
number (I)
number of addition
  (VII)
number of a set
number family (VII)
number line (III)
number object (VII)
number pair (IV)
number pattern (IV)
number ray (IV)
number sentence, -s
  (III)
number word (IV)
numeral (I)
numeration (VII)
```

numeration table (VII) object (III) odd (III) odd number (III) once (VII) one (I) one-fifth (VII) one-fourth (IV) one-half (III) one less (VII) one more (VII) one-third (V) one-to-many matching (VII) one-to-one (VII) one-to-one correspondence (VII) only (VII) open (VI) open and closed figure (VII) open and closed sentence (III) operation (IV) opposite (V) order (III) order of counting numbers (VII) order of numbers (VII) order principle (VII)

ordinal (VII)
ordinal concept (VII)
ordinal number (VII)
ounce (III)
outside (III)
over (III)

pair (III) parallel (VII) parallel lines (V) parallelogram (VII) parentheses (VI) part (II) partition (V) path (IV) pattern (III) peck (VII) penny (III) pentagon (V) perimeter (VII) piece (IV) pint (III) place (III) place holder (VII) place value (IV) plane (IV) plus (III) plus sign (VII) point (II) polygon (V) position (VII) pound (III) prime number (V) principle (VI) problem (II) problem solving (III) product (II) property (VI)

quadrilateral (III) quart (III) quarter (III) quotient (III)

R radius (VII)
ray (III)
rearrange (VII)
rectangle (III)
rectangular region
(VII)
region (IV)
regroup (V)
relate (IV)
related equations (VII)
related facts (VII)

related number sentences (VII) relation (VII) remainder (IV) remove (VII) rename (III) repeat (VII) repeated addition (VII) replace (III) replacement (set) (VII) represent (VII) result (VII) rhombus (VII) right (III) right angle (IV) Roman numeral (V) round (IV) row (III)

same (III) same as (IV) same length (V) same number (III) same size (IV) score (IV) second (III) segment (III) sentence (I) separate (IV) separating sets (VII) sequence (VII) sequence of numbers (VII) set (I) set of points (VII) seven (III) seventeen (VII) seventh (V) seventy (IV) shade (V) shape (III) short (IV) short form (V) short way (VII) shorter than (VII) side (III) sign (III) sign of relation (VII) simple (III) single (VII) six (II) six-sevenths (VII) sixteen (VI) sixth (IV) sixty (V) size (IV)

small (IV) solution (IV) solve (II) solving (the) equation, -s (VI) some (IV) space (III) sphere (VII) square (III) square unit (VII) standard numeral (VI) straight line (VII) subset (III) subtract (II) subtraction (II) subtraction pattern (VII) subtrahend (VII) such that (VII) sum (I) surface (VII) symbol (IV) symmetrical (VII) symmetry (VI)

table (III) take-away (VI) tall (IV) temperature (III) ten (I) tenth (V) thermometer (IV) third (III) thirteen (VII) thirty (IV) thousand (II) three (I) three-fourths (VI) time (of day) (III) times (III) tiny (VII) ton (VII) top (VI) total (VI) triangle (III) triangular region (VII) triangular shape (VII)

U under (V) undo (IV) unequal (VII)

twelve (IV)

twenty (III)

two-thirds (VII)

twice (V)

two (I)

union (IV)
unit (III)
unit of measure (V)
unit of time (VII)
unit line segment (VII)
unknown (VII)
unnamed (VI)
unnamed factor (VII)
unnamed quotient
(VII)
up (V)

value (IV)
vertex, -tices (VII)
vertical (VII)
vertical form (VI)
vertical line (VII)
volume (VII)

week (III)
weight (III)
which (V)
whole (III)
whole number (III)
width (IV)
word name (VII)

yard (III)
Z zero (III)

Math 4-6

abscissa (IX) acre (VII) acre-foot (feet) (IX) actual (VI) acute angle (VII) acute triangle (IX) addition numeral (VIII) additive (IX) additive inverse (IX) adjacent (IX) align (IX) alternate interior angle altitude (of a figure) (VII) angle bisector (IX) angle unit (IX) annex (IX) approximate, -d, -ly (V) approximately equal

(equivalent) to (IX)

approximation (VII)
arc (V)
area measure, -ment
(VII)
arithmetic, -al (VII)
arithmetic mean (VIII)
arithmetic sequence
(IX)
associative operation
(IX)
average (I)
avoirdupois system
(IX)
axes (IX)
axis (VII)

baker's dozen (IX) bar (VII) bar graph (V) base (of a figure) (VI) base eight (VII) base five (IV) base four (VII) base number (VIII) base numeral (IX) base seven (IX) base six (VII) base ten machine (IX) base three (VIII) base two (IX) basic facts (VII) billion (V) billions' period (IX) binary numeral (IX) binary operation (IX) binary system (IX) bisect (VII) bisect an angle (VIII) bisect a line segment (IX) bisector (IX) bound (IX) boundary (VIII) bracket (IX) break (broken) apart (IX) broken-line graph (VIII) bushel (VIII)

C calculate, -lation (IX)
capacity (VIII)
carat (IX)
cardinal (not "cardinal
number") (VIII)
caret (IX)

cast out (IX) centigrade (VII) centigram (IX) centiliter (IX) central angle (VI) century (VIII) cheap, -er, -est (IX) chord (VI) circle graph (VII) circular cylinder (IX) circumference (IV) circumscribed (IX) clock arithmetic (VII) clock equation (VII) closed (no other form) (VI) closed curve (VIII) closed figure (VII) closed plane figure (VIII) closed sentence (VI) closed space figure (VIII) closed surface (VII) closure property of addition for whole numbers (IX) closure property of division for whole numbers (IX) closure property of multiplication for whole numbers (IX) closure property of subtraction for whole numbers (IX) code, -d, coding (V) collected (no other form) (VII) collinear (VIII) column algorism form (IX) combine, -d, -bining (VII) commission (VII) common (in common) (III)common denominator method (VIII) common factor property (IX) commutative operation (IX)commutativity (IX) commute, -d, -muting (VIII)

compact numeral (VI) comparison (VIII) compass (IV) complete factorization (IX) completely factored (IX) complex fraction (IX) complex fractional numeral (IX) composite (VIII) composite number (VII) composite sentence (IX)computation (VI) concentric (circle) (VIII) conclusion (IX) cone (geometric shape) (VI) congruent (I) connective (IX) consecutive (VIII) constant (IX) construct, -ion (IV) convert (VIII) coordinate axes (IX) coordinate axis (IX) coordinate geometry (IX) coordinate system (IX) copy (-ing) an (the) angle (IX) copy (-ing) a (the) (line) segment (VIII) copy (-ing) a (the) triangle (IX) cord (IX) correspond, -ed, -ing (XI)corresponding angles (VIII) corresponding sides (IX)counting man (men) (IX)couple (IX) crease, -d, creasing (VIII) cross, -ed, -ing (VI) cross-product (VII) cross-section (IX) cryptogram (IX) cube root (IX)

cubed (no other form)
(IX)
cubic centimeter (VII)
cubic foot (feet) (V)
cubic inch (VI)
cubic kilometer (IX)
cubic meter (IX)
cubic mile (IX)
cubic millimeter (VIII)
cubic (cube) unit (VI)
cubic yard (VI)
cubit (IX)
currency (IX)
currency breakdown
table (IX)

data (IV) decade (VIII) decagram (IX) decameter (IX) decigram (IX) deciliter (IX) decillion (IX) decimal equivalent (IX) decimal form (VI) decimal fraction (VII) decimal name (VIII) decimal number (IX) decimal numeral (IV) decimal numeration (system) (VIII) decimal place (VII) decimal point (IV) decimal system (VIII) decimeter (VI) decrease (VIII) degree measure (VI) dekagram (IX) dekaliter (IX) dekameter (IX) denominator (I) denote, -d, -noting (VIII) density (IX) deposit (VII) depth (VII) derive (IX) determine (VIII) diagram (IV) dimension (VI) discount, -ed, -ing (VI) disjoint (set) (VII) distribute (-d) over (VI) distribution (IX)

distributive law (principle) for rational numbers (IX) distributive law (property) for (of) division (over addition) (VII) distributive law (property) for (of) multiplication (over addition) (VI) distributive law (property) for (of) multiplication (over subtraction) (IX) divisibility (VII) division form (VIII) division numeral (VII) dodecahedron (IX) dot graph (VIII) double-bar graph (IX) dry measure (IX) duplicate (IX)

E Egyptian numerals (VII) Egyptian (numeration) system (VIII) end (VII) English system (of measures) (IX) equal sets (IX) equality (sentence) (VII) equality (equal) sign (symbol) (VIII) equally likely (VIII) equiangular triangle (IX)equilateral triangle (VII) equivalent decimals equivalent equations (VII) equivalent fractional numerals (V) equivalent fractions equivalent inequalities (IX) equivalent measures, measurements (VIII) equivalent numbers

equivalent numerals (VII) equivalent ratios (IX) error of measurement estimation (no other form) (VII) event (IX) exact, -ly (IV) expanded form (IX) expanded fraction (IX) experiment (number, problem) (VII) exponent (VI) exponential (exponent) form (VIII) express, -ed, -ing, -ion extend, -ed, -ing (VI) exterior (VII)

face (IV) face value (IX) factor set (VII) factor tree (VI) factored form (IX) factorial (IX) factorization (IX) Fahrenheit (VII) family of facts (VIII) farther, -est (VI) fathom (IX) finite (set) (VII) first axis (IX) first partial product (VIII) first power (IX) first term (IX) fixed (VIII) flat (surface) (VII) fluid ounce (VIII) foci (IX) foot-pound (IX) formula (V) fortnight (IX) fourth partial product (IX)fraction bar (IX) fraction line (IX) fractional form (VI) fractional name (VIII) fractional number (I) fractional number ray (IX) fractional numeral (IV) frequency (VIII)

(IX)

frequency distribution
(IX)
frequency table (IX)
full (VIII)
function equation
(VIII)
function machine (VII)
function rule (IV)
function table (IX)
furlong (IX)
f(x)-axis (IX)

G generalization (VIII) geometric figure (VI) given (V) graduated (measuring) scale (IX) gram (VII) graph of the (an) equation (IX) great circle (IX) greatest common factor (IV) greatest possible error (of measurement) (VIII) greatest possible multiple (IX) gross (IX) gross weight (IX) grouping symbol (VIII)

guess (VIII) half-circle (IX) half-dollar (VII) half-line (IX) half-plane (VIII) halfway (VII) halved (no other form) (IX) hand (as in measure) (IX) hectogram (IX) hectoliter (IX) hectometer (IX) helping marks (figures, numerals) (IX) hemisphere (IX) heptagon (IX) hexagonal prism (IX) hexagonal pyramid (IX)hexahedron (IX) higher terms (VIII) Hindu-Arabic (VII)

Hindu-Arabic (numeration) system (VIII) histogram (VIII) holds a (the) place (IX) horizontal (VII) horizontal axis (IX) horizontal bar graph (IX) horizontal coordinate (IX) horizontal scale (VIII) hundred million (VIII) hundred thousand (V) hundred thousandths (IX) hundreds' digit (VIII) hundreds' man (men) (IX) hundreds' place (VII) hundredth (II) hundredths' place (IX) hundredweight (IX)

icosahedron (IX) identity element (number) for (of) addition (VIII) identity element (number) for (of) division (IX) identity element (number) for (of) multiplication (VII) identity element (number) for (of) subtraction (IX) identity property (IX) if-then-not rule (sentence, statement) (IX) if-then rule (sentence, statement) (VIII) imply, -plies (IX) improper fraction (VII) include, -d, -cluding (VII) inclusion (IX) inclusive (VIII) increase (VI) indent (IX) inequality sentence (VIII) inequality sign (symbol) (IX)

inference (VIII)

infinite (VII) input (VIII) input number (VIII) input-output card (IX) inscribed (VIII) insert (IX) inspection (IX) integer (IV) interest (bank) (VII) interest rate (VIII) interior (IV) (international) nautical mile (IX) interpret, -ation (VIII) intersecting lines (VII) intersection set (IX) interval (VII) isosceles right triangle (IX) isosceles triangle (VII)

key number (IX)
kilogram (VIII)
kiloliter (IX)
kilometer (VI)

landing point (VIII) lateral area (IX) lattice method (VIII) lattice multiplication (IX)layer (VI) leap year (IX) least (IV) least common denominator (V) least common factor (IX) least common multiple (IV) leg (of a triangle) (VII) light, -er, -est (weight only) (IX) lightning multiplication (IX) light year (IX) line of symmetry (VIII) line graph (VI) line segment graph (IX) linear (IX) linear pair (VII) liquid (VII) liquid measure (VIII) liter (VIII)

locate, -d, -cating (VI)
long form (VIII)
long vertical form
(VIII)
loss (IX)
lower bound (VIII)
lower limit (IX)
lower terms (VIII)
lowest terms (V)
lowest terms fraction
(VI)

M magic number (IX) magic square (VII) major arc (IX) marked up (IX) markup (IX) matching sides (IX) mathematical phrase (IX) mathematical sentence (statement) (VI) maximal (IX) maximum (IX) mean (term for average) (VII) median (VI) megameter (IX) memory man (men) (IX) meter stick (IX) metric geometry (IX) metric system (VI) metric unit (VIII) micrometer caliper (IX) micron (IX) midway (IX) miles per hour (IV) millenium (IX) milligram (IX) milliliter (IX) millimeter (VI) millions' period (IX) millions' place (IX) millionths (VIII) millisecond (IX) minimum (IX) minor arc (VIII) mixed decimal (numeral) (IX) mixed numeral (III) mixed-numeral form (IX)mode (VI) month (IV)

multiples (of powers) of ten (VII) multiplicand (IX) miltiplication numeral (VII) multiplication-addition principle (IX) multiplier (IX)

name line (IX) natural number (VI) negative (VI) negative integer (VIII) noncollinear (IX) nondisjoint (VIII) nonequivalent (IX) nonillion (IX) nonmetric (IX) nonrepeating (IX) nonstandard (IX) nonstandard unit (IX) nonterminating (IX) nonzero (IX) not prime (VIII) notation (VII) number of (the) set (IX) number-naming board (VIII) number plane (VI) numeral-reading chart (IX)numeration system (system of numeration) (VI) numerator (II)

obtuse angle (VII) obtuse isosceles triangle (IX) obtuse scalene triangle (IX)obtuse triangle (IX) octagon (VIII) octahedron (IX) octillion (IX) one-hundredth (IX) one-tenth (IX) one-thousandth (IX) ones' digit (VII) ones' man (men) (VIII) ones' period (VIII) ones' place (column) (V) open equation (IX) open figure (IX)

open sentence (I)
opposite integers (IX)
opposite operations
(IX)
ordered (number) pairs
(IV)
ordered set (IX)
origin (IX)
original (VII)
original number (IX)
outcome (VI)
output (VII)
output number (VI)

parallel planes (IX) partial product (VII) partial quotient (VI) partial sum (IX) pentagonal pyramid (IX) per (I) percent, -age (I) percent equivalents (IX)percent form (VII) percent sign (symbol) (IX)perfect (in terms of a number) (IX) period (VI) perpendicular (VI) perpendicular bisector (IX) perpendicular lines (VIII) pi (Greek letter) (IX) pictograph (VIII) picture graph (VI) place-value chart (VI) place-value grid (VIII) place-value numeral (VIII) plane figure (VII) plane region (VIII) plot (IX) polygonal region (IX) polyhedron, pl. -dra (IX) positional (IX) positive (VII) positive integer (VII) positive number (IX) power (VI) power(s) of ten (VI) precise (VII) precision (VII)

predict, -ion (VIII) prime (IV) prime factor (V) prime factorization (VI) principal (interest term) (IX) prism (VII) probability (IV) procedure (VIII) product method (IX) product numeral (VIII) product of prime factors (VII) product of prime numbers (IX) product set (IX) profit (VII) progression (IX) proper fraction (IX) proportion (VI) protractor (VI) pyramid (VII) Pythagoras' (Pythagorean) theorem (IX)

quadrillion (IX)
quantity (IX)
quarter inch (VIII)
quintillion (IX)
quire (IX)
quotient numeral (VII)

radian (IX) radii (VII) range of measurement range (of scores) (VI) ranking list (IX) rate (IV) rate of commission (VIII) rate of discount (VIII) rate of interest (IX) rate of speed (travel) (IX) ratio (I) ratio form (IX) ratio interpretation of multiplication (IX) rational number (I) reciprocal (V) rectangular prism (V) rectangular pyramid (IX)rectangular solid (VII)

reduce, -d, -ducing (VII) reduction (IX) reference line (IX) reflexive property (IX) regular (VI) regular polygon (IX) relatively prime (VIII) repeated division (IX) repeated subtraction (VIII) repeating decimal (VII) restriction (IX) reverse (VIII) right (circular) cylinder right isosceles triangle (IX)right prism (VII) right scalene triangle (IX) right triangle (V) rigid (IX) rod (VI) Roman (numeration) system (IX) round (-ed)down (IX) round (-ed, -ing) off (V) round (-ed) up (IX)

satisfies (IX) scale (of a drawing, map, etc.) (IV) scale drawing (VII) scalene (triangle) (IX) scientific notation (VIII) score (meaning number of years) (IX) second axis (IX) second partial product (VIII) second power (IX) sector (VII) segment unit (IX) semicircle (VIII) septagon (IX) septillion (IX) several (VI) sextillion (IX) short division (IX) short method (VIII) short vertical form (VIII) shortcut (short cut) (VI)

signed whole number (IX) similar (V) similar triangles (VIII) similarity (VIII) simple closed curve (V) simple closed figure (VI) simple closed surface (V) simpler form (IX) simplest decimal (numeral) (VIII) simplest form (II) simplest fraction (form) (IX) simplest name (VII) simplest numeral (III) simplest terms (IX) simplify (VI) skew lines (IX) skip count, -ing (IX) solid (IX) solid figure (IX) solution pair (IX) solution set (III) some-all-no (rule, sentence, statement) (IX)space figure (VII) space geometry (IX) space region (IX) square centimeter (VII) square foot (feet) (IV) square inch (V) square kilometer (IX) square meter (VIII) square mile (VI) square millimeter (IX) square number (IX) square prism (IX) square pyramid (IX) square region (VI) square root (VIII) square yard (VI) squared (no other form) (IX) standard (IX) standard mixed numeral (form) (VIII) standard unit (VI) statute mile (IX) story problem (VIII) straight angle (VIII) straight edge (VIII)

subscript (IX) substitute (VIII) subtraction numeral (IX) subtractive (IX) successful outcome (IX) successive outcome (IX) super set (superset) (VIII) supplementary angles (VIII) surface area (V) symbolism (IX) symbolize (VIII) symmetric property (IX) system (IV)

tablespoon (IX) tally mark (IX) tangent (IX) teaspoon (IX) ten millions (VIII) tens' digit (VIII) tens' man (men) (Tman) (VIII) tens' place (column) (VI) ten thousands (V) ten thousands' place ten thousandth (VIII) tenths (II) tenths' place (VIII) terminate (IX) terminating decimal (VIII) terms (of a numeral, etc.) (VI) tetrahedron (VIII) theorem of Pythagoras (VIII) thick, -ness (VI) thin (IX) third partial product (IX) third power (VIII) thousands' digit (IX) thousands' period (IX) thousands' place (VII) thousandth (V) thousandths' place (IX) through (III)

time (interest or rate term) (VII) ton-mile (IX) total value (VII) trace, -d, tracing (V) transitive property (VIII) transversal (IX) trapezoid (VII) trial (IX) triangular number (IX) triangular prism (VIII) triangular pyramid (IX)trillion (VIII) triple, -d (IX) truncated cone (IX) twin primes (VIII) two-stage problem (IX)

undivided (IX) union of line segments (IX) union of sets (VI) unit of surface (surface unit) (VIII) unit angle (VIII) unit fractional number (VII) unit plane region (IX) unit region (VIII) unit segment (IX) unit square region (IX) universal set (universe) (VIII) unlimited (IX) unmatched (IX) unnamed addend (VIII) unnamed minuend (IX) upper bound (VIII) upper limit (IX) upward (IX)

variable (VII) vertical angle (VII) vertical axis (IX) vertical bar graph (IX) vertical coordinate (IX) vertical scale (VIII) volume measure (VIII)

weigh (III)

whole-number answer (VIII) whole-number factor (IX) word problem (IX) working form (VII) X x-axis (IX) vardstick (IX)

zero numerator (IX) zero power (IX)

year (I)

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		sandakoru	
		ootaanini	
		Anderson	
		SECULAR	
		outhinance	

Science 3

mammal absorb egg accurate egg cell map activities electric melting algae electric energy melting point amphibian electricity messages ancient energy meter animal energy of motion mineral animal keeper mechanical energy model animal kingdom stored energy molecule animal tracks environment moon equator full moon atmosphere evaporate new moon exercise moon year expand muscle backbone extinct music beak bilateral nerve bilateral symmetry fahrenheit boil fault nerve cord ferns fertile calendar ocean fertilizer carbon organ flood carbon dioxide outlet force cell ovary fossil electric cell fuel sperm cell phase fungus Celsius phase change chemical pistil chemical energy planet natural gas chlorine plant classify geyser plant kingdom cloud gills pollen glacier coal pollen come gravity community pollen grains condense pollute conductor heat power contract hibernate preserved coral humus prove coral reef pupil pure infection decay insect R reflect degree instinct depend reproduce desert reptile joint dismal rib dissolve root larva dry root hairs lava leaf satellite liquid ear drum season location inner ear seed lungs middle ear plant seed outer ear seed coat earth seed cone earthworm seedling earth satellite senses

skeleton skin snake sniff space spider spore spore case stamen star star year steam stem stretch stunts sundial surface taste temperature kindling temperature thermometer thunder tides tongue upright

vocal vocal cords volcano

water fresh water salt water water vapor wheat

Science 4

A abdomen adapt adaptation air pressure alert amoeba ancestor anus apply area astronaut astronomer

	atam	distance	mathematics	red blood
	atom	divide	matter	red blood cell
	axis	dome	maximum	red blood corpuscle
R		dome		-
	bacteria balance		measure	reproduction
	Dalance	echo	measurement	response
	battery	eclipse	membrane	retina
	behavior	embryo	mercury	revolve
	blood vessels	erosion	metric	ridge
	breathe	esophagus	metric system	
	budding	evaporation	microscope	saliva
	burning	evidence	molar	salivary
	calcium		mold	salivary gland
	calcium	fan	moss	scale
	canyon	fat	motion	scale model
	capillary	filament	mouth	sediment
	carbohydrate	flow		sedimentary
	cartilage	food chain	natural	sedimentary rock
	cell	friction	nervous	shape
	cell division	funnel	nucleus	shift
	cell nucleus	funnel cloud		sight
	cell wall	U	orbit	solid
	centimeter G	gravitational	organism	solution
	change	gravitational	oxygen	sound
	chemical	acceleration	oxygen cycle	sound wave
	chemical change	gravitational		sperm
	chemical weathering	attraction	pendulum	sperm cell
	chemist	gravitational force	period	spinal
	chlorophyll	8	periodic	spinal column
	circuit	habitat	physical	starch
	circulate	artificial habitat	physical change	stethoscope
	circulation	natural habitat	pitch	stimulus
	climate	hemisphere	planet	stomach
	communicate	horizon	plankton	store
	compound	hurricane	pollutant	strand
	conduct	nuricane	pollution	stream
	constellation		population	survive
	continent	incisor	predict	swamp
	contraction		produce	switch
	control	leaf	producer	system
	convex	leaf scar	protein	
	convex lens	length	protozoan	tendon
	convex mirror	lens	pulse	tidal
	core	concave lens	pulse rate	tidal wave
	core sample	converging lens	pupa	treatment
	cork	convex lens	pupil	tune
	crust	telephoto lens	1 1	turn
	current	wide angle lens	quarter	
		lever	quarter	unit
IJ	density	liquid R	and March	
	population density	liquid crystal	radiant V	valley
	diameter \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		radiant energy	variable
	diaphragm	mantle	radiant heat	variation
	digestion	marble	rain	vein
	digestive juices	mass	rain gauge	vibration
	dinosaurs	gross mass	rainfall	vitamin
	disease	net mass	range	vitaiiiii
	2.00000			

XXV	
AA	water
	water cycle
	water shed
	water table
	wave
	weight
	wingspread

Science 5

accelerate acid action action-reaction air air foil air mass air sacs ammonia anatomy aorta pulmonary artery automatic automatic behavior automatic reflex average average speed

bacteriologist
base
biceps
blood
blood stream
bone
bone cells
bone marrow
boulder
brain

brainstem

C calcium
 calcium hydroxide
 calorie
 cell
 cell covering
 dry cell
 cerebellum
 cerebrum
 characteristics
 chemical
 chemical reaction
 chemical test

chemically

circulatory circulatory system circumference cloud cirrus clouds cumulonimbus clouds cumulus clouds cocoon compass compound compound machine concave concave lens conduction connective connective tissue consume consumer controlled controlled experiment convection cornea corrosive crater crystal crystal faces cycle

D data
decompose
decomposer
detect
detector
dew
dew point
digest
digestive
digestive system
dissection

earth
earthquake
ecosystem
electric
electric charge
electric current
electric motor
electromagnet
electron
element
elevation
ellipse

energy
energy cycle
environment
hostile environment
epicycle
equator
evolve
evolution
excretion
experiment
controlled
experiment
experiment

focus
food
food pyramid
food web
formula
fossil
fossil fuels
front
frosted
fuse
fusion

galvanometer generally generator geologist geology gill gill slit gland glucose granite gravitation growth growth rate

H hail hurl hypothesis

I igneous igneous rock image indicator inertia insulator interact invertebrate

 \mathbf{K} kilogram

launch
launcher
lens
lens eyepiece
lens objective
life
life function
life span
light
light meter
light year
limestone
limit
limiting factor
lintel
liver

magma
magnet
magnetite
malaria
metamorphic
metamorphosis
meteor
meteorite
meteorologists
model
muscle
muscle cell
voluntary muscle

N nerve
nerve cell
nerve impulse
nerve tissue
optic nerve
nervous
nervous system
neutral
nutrient

O observe observation optical optical illusion orbital orbital speed organ organ system organic oxide oxidation

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		1		11 . 1		7
	pancreas	♥ valve		cellulose		galaxy
	parallel	vein .		chromium		galvanometer
	parallel circuit	varicose vein		color		gene
	photosynthesis	ventricle		color blind	TT	
	physical	vertebra		color spectrum		hazardous
	physical property	vertebrate		combination		heat
	pigment	vocalization		comet		heat of fusion
	plastic	volume		complex		heat of vaporization
	potential	www		compress		heat capacity
	potential energy	W warm		compression		
	precious	warm-blooded		concave		heat energy
	pressure			concave mirror		heat waves
	prism	weather		concept		humidity
	-					relative humidity
	property	L yeast		self-concept		
	protein	yeast culture		condensation		image
\cap				conservation		real image
Y	quarry			convection		virtual image
		Science 6		convection currents		infrared
K	reaction	Science o		corona		infrared radiation
	reaction time			crest		infrared waves
	reflex	A		cross		inherit
	reflex action	A acid		cross-pollinate		instinctively
	relative	amino acid		current		insulator
		air		current of electricity		intestine
	relative humidity	air bladder		cutting		
	respiration	air resistance		cylinder		large intestine
	respiratory	alchemist	-	9,1111401		small intestine
	revolution	alloy		diet		
C		ampere		diffuse		kilowatt
O	scar	angle				kilowatt hour
	section	angle of incidence		diffusion		kinetic
	sensory			digestive		kinetic energy
	sensory fiber	angle of reflection		digestive tubes	78	
	sensory nerve	annual		diverge	يا	life
	skeletal	antibiotic		dominant		life cycle
	skeletal system	aqualung				line
	slant	association	L	electric		
	soil	atomic		electric charge		line of sight
	solar	atomic number		electric circuit		lines of force
	solar system	atomic pile		electric impulse		lines of incidence
	species	atomic weight		electric potential		line's of reflection
	stable	D		electron	MI	
		D barometer		electron emission	TAT	magnetic
	structure	battery		electron microscope		magnetic field
	subject	bond		elliptical		marine
	substance	brittle		endocrine		mature
	survive	buckle				maturity
	tensile	bulbs		energy		microorganism
	thermostat	oulos		nuclear energy		molting
	thrust			enzyme		motor
	tissues	carbon				motor nerve cells
	transfer	carbon compounds	R,	fission		motor nerves
	transfer of energy	cell		fixed (as in space)		mutant
	60	cell covering		fleece		
' '	tropical	connecting nerve cell		fluid		mutation
	uopicai	sex cell		frequency		
TT		solar cell		fulcrum		
U	universe	specialized cell		- MANA MAAA		
		· ·				

wet cell

$I_{\mathscr{A}}$	nerve		simple
_	connecting nerve		simple reflexes
	motor nerve		simple machine
	nerve ending		slope
	nerve fiber		smog
	neutron		solar
	nitrate		solar cell
	nitrogen		solar eclipse
	nodules		solar energy
	nuclear		solar flare
	nuclear energy		specific
	nuclear reaction		spectrum
	nuclear reactor		state
\wedge			static
U	orb-web		static electricity
	ore		stress
	overpopulation		
	overpop anation		telescope
	nalne		tissues
	palps		tornado
	permanent physical		translucent
	physical tolerance		transparent
	plot (as in navigate)		trough
	pollinate		turbine
	positive	W V	
	predator		ultraviolet
			ultraviolet radiation
	prey primitive		urban
	privacy	~~	urban
	process		
	proton	•	vacuum
	pulley		vary
	fixed pulley		vibrate
	movable pulley	VX/	
	movable puney	AA	wave
\mathbb{R}	1.		wavelength
LU	radio		wave theory
	radio transmitter		wedge
	radio waves	V	
	radioactive	L	yolk
	ray		
	rayon		
	reaction		
	chain reaction		
	chemical reaction		
	combination reaction		
	reason		
	refraction		
	release		
	resistant		
C			
J	seep		
	sensory		
	sensory neurons		

similar

EDL Social Studies Core Vocabulary for Grades 3, 4, 5, and 6 -

Social Studies 3

A acre
ancestor
arctic
automobile

bar budget business

C cacao
canal
capital
capital goods
central
chief
chief executive
city
city council
city hall

city council
city hall
city manager
city ordinance
city planner
city services
climate

coast colonist colony common community compass

Congress constitution continent

continental conveyor country county

court crops cross

cultural culture

dam
declaration
degrees
degrees of
temperature
department
desert
direct
direction

N

earthquake
earthquake zone
East
elect
environment
equator
explain
explore
explorer

fact factory fort freedom fresh frontier

glacier global globe goods government grassland group

harbor harvest hinterlands holiday

immigrant industry inspect invent invention iron iron ore island

 $\mathbf{J}_{\mathrm{judge}}$

law

lawmakers

metropolitan

migrant

mainland
manager
map
map key
maps and globes
market
mayor

model mountain

nation nationality natural neighborbood nomad

ocean

peninsula physical plain planet plantation plateau pole

North Pole South Pole pollution power precipitation president property public

R rapids
raw
region
represent
representative
residential
revolution
route
rule
rural
rush

scale
season
separation
service
settlement
share
slave
slave trade
slum
spirit
suburb
suburban
surface

tax taxation telegraph textile tide town town board trade traffic transportation

V unite valley village

wage warehouse weather wholesale

 $\mathbf{Z}_{\mathrm{zone}}$

Social Studies 4

aborigines accent adobe agricultural agriculture air alphabet altitude amendment anthropologist anthropology area assembly atmosphere attitude automatic automation

balance banded barter basic bay belt

canyons
carnival
caste
cavalrymen
cereal
chutes
civil
communicate
competition
conservation
constitutional
consumer

consumption

contour cooperation coral corral cotton council credit current custom

delta
demand
democracy
depression
develop
development
diet
dike
distance
division
drought

economic economist economy education efficient empire energy equatorial

famine favored features federal fertilizer fiber flint foreign foreigner fossil frontier

generator geography gin global grain grid grindstones guide

habit
harvest
hazy
hemisphere
history
hollow
humus

EDL Social Studies Core Vocabulary for Grades 3, 4, 5, and 6 _

igloo
independence
independent
industrial
information
institution
intensive
interchangeable
interview
inventor
investment
irrigate
irrigation

 $oldsymbol{J}$ jungle

kayak kilometer

labor language latitude legend level line loom

machete material mechanize meridians mesa meters migration mineral minority modern moisture

N native needs neighboring

monsoon

oasis overpopulation oxygen

paddy palm partnership pioneer polar political population primary prime produce production profit progressive

range
relief
religion
religious
republic
reservation
reservoir
resources
role
rugged
ruins

sacred sari science scientific scientist sea secondary servant settle sharecropper shelter shock skill social sociologist sociology sodsoil solar specialization square subcontinent supply swamp symbol system

taro
technology
telescope
temperature
temple
territories
thresh
topsoil
traditional
trap

treaty

tribe tropic

U union untouchable urban urge

vegetation volcano

W winnow

Social Studies-5

abolitionism abolitionist adapt advertise agent alliance anvil appeal apprentice archaeologist archaeology architecture armor art assemble authority

barbarian basin bazaar behavior boycott bureau burgesses

> cabinet cape captivity caravan census century ceremony choice Christian civilization civilized clan classical cluster code commonwealth complex compromise

consent contract control convention countdown craft crater crusades

decision density descendant dictatorship disaster disciple discipline disposable distribute distribution divide domestic domesticated

ecology
ecological
elevation
emancipation
emperor
equipment
executive
exile
exploration
export
extend

feast
federalism
federation
fertile
fiord
fragrant
frontierism

G generation glide governor graph guerrilla

H hacienda hardship haul heaven historical holy homesteader hub

iceberg
immigration
import
inaugurate
inauguration
indentured
intelligence
interpret

journal journey Judaism judicial jury

legislative legislator levee liberty limit longhouse longitude loyalist

maize manor manufacture manufacturer marksman mass megalopolis migrate military minstrel mission missionary monarchy monk monopoly monotheism monotheist mosque mound Muslim

N nature neutral noble

O official organization organize

pampas parallel parka parliament passage patriot

EDL Social Studies Core Vocabulary for Grades 3, 4, 5, and 6 _

patriotic patriotism peak peasant permanent persecute persecution petition philosopher philosophy politics pollute polytheism polytheist popular priest proclamation producer product projection prophecy prophet protectorate province pulp

radical ram reference reform refugee region relationship repair responsibility revenge revolt

sacrifice sap secede segregate segregation sharecropping silt sin society source stain state steppe stock strait strike

subsist

subsistence supernatural supreme surplus synagogue

thatch
timber
tortilla
tourist
tournament
trait
traitor
transport
tributary
tribute
tropical
tundra
tyranny
tyrant

U underground

value venture voyage

war warfare wilderness worship

Social Studies 6

abdicate
absolute
afterlife
ally
Anglo-American
aristocracy
aristocrat
artifact
astronomy
auction

belch
beliefs
biological
biology
bishop
Buddhism
bureaucracy
burgher

C capitalism capitalist Catholic character

charter Christianity city-state colonization colonize command commission communication communism conquer craftsmen creole crisis cultivation cuneiform cycle

data delegate democratic deposit dictator diplomat dominance dominant dynasty

encomienda environmental evidence exchange extreme

> federalism feudal feudalism foundation frequency

 ${\sf G}$ $_{\sf growth}$

hare
heretic
heritage
hidalgo
Hinduism
human
humanism
humanitarianism
humid
hypothesis

ideal
imperialism
industrialization
industrialize
interest
interior
invest

joint jury

linguist literature luxury

marine
mature
medieval
mediterranean
mestizos
middle
miniature
monarch
moral
mount
movement
myth

nationalism nationalization nationalize naturalize navigation nobel nuclear

O opium optic oracle oral

> patron patronage permanent perspective pharaoh pope possession prehistoric prehistory prevailing priest prosperous protest psychological psychologist puritan pyramid

rank
reef
Reformation
Renaissance
republican
resist
respond
ritual

savanna scribe serf serfdom shogun slavery socialism species sphere standard steppe stirring stockbroker subsistence

theory tierra tilt tissue trade

> vassal vast vehicle vernacular veto viceroy



Origin and Organization of the Vocabulary Lists

READING CORE VOCABULARY ..

Background

The purpose underlying the preparation of the Basic Vocabulary was to establish a core vocabulary for the various materials in the EDL language arts program. It is the authors' belief that any well-integrated language arts program should maintain vocabulary controls that make possible short-interval learning with enough repetition and reinforcement so that each student will be assured of a minimum level of language development as he progresses from level to level. As a result of this thinking, a core vocabulary list was formulated which incorporated those words judged to be most fundamental to communication based on studies and evaluations of basal reading series, other widely approved vocabulary

studies, and other frequently employed vocabularybuilding instructional materials.

Primarily, this word list will be used in the preparation of basic and supplementary instructional materials in printed or projected form for use in EDL language arts programs. Materials prepared from this list would serve to introduce and reinforce a minimum language requirement, but would also contain a planned amount of above-level, specificarea reading and enrichment to provide for continuing vocabulary development.

Secondly, this list can serve as a continuous instructional guide for the classroom teacher, providing her with a constant check as to words which pupils should have learned at previous levels. If the teacher ensures mastery of the basic vocabulary required at each level, she knows that each pupil has the essential language foundation from which to extend his vocabulary.

Thirdly, there is a constant demand for graded materials designed for independent reading by pupils on primary and intermediate levels. The vocabulary load of such material should, of course, be carefully controlled. Authors who wish to prepare graded reading material for use by EDL or by other publishers will find this list an invaluable aid.

Further, this list may eventually serve as the basis for those portions of readability scales that are concerned with an appraisal of vocabulary difficulty.

BACKGROUND OF THE STUDY

Vocabulary study at EDL began in 1949, when an attempt was made to arrive at a minimum vocabulary for reading, writing, and speaking that would be acceptable by each state in the Union. Over 150 sources were checked during the initial study, and the resulting graded word list contained the 6,310 words judged to be most important for children in grades one to eight. Revisions of this list were published in 1951² and 1955.³

While this list proved satisfactory as a general vocabulary guide, more rigid controls were indicated when reading materials were to be prepared for use in the primary and intermediate grades. As a consequence, an additional study of nine basal reading series was undertaken in 1968 with the express purpose of determining the grade point at which the required words for grades 1-6 and their variant forms should be introduced. The series studied were those published by:

Allyn and Bacon, Inc.
American Book Company
Ginn and Company
Harper & Row
Holt, Rinehart and Winston
Houghton Mifflin Company
Lyons and Carnahan, Inc.
The Macmillan Company
Scott, Foresman and Company

At present, it is the authors' conviction that one common list can and should serve as a base for all language arts instruction. Further, the fact that the student's first encounter with words in visual form is through reading indicates that reading level should be the primary factor in deciding on the grade placement of words. The same words can be and at present are generally re-introduced in the following grade for spelling and writing activities. This amount of lag between reading and spelling levels was determined by comparing the grade placement of words in a number of widely used spelling lists with grade placement of the same words in reading series.⁴

Because reading level was to be the major consideration in determining grade placement, the decision was made to use the basal reading series as a source on all levels for which published lists are available. This approach was judged to be essential at the primary level. At the intermediate level, where there is more divergence in the words introduced, the findings of the most authoritative studies of usage by pupils and frequency of occurrence in reading material were used as additional controls in selecting words.

PROCEDURE USED IN COMPILING THE WORD LISTS

Grades 1-8

The procedure followed in compiling the word lists was similar to that advocated by Buckingham and Dolch⁵ in that the amount of word load was first determined for each grade, and then a decision was made as to the types of words to be included. Following this, procedures and sources for the selection of words were established.

1. Word Load

The first step in determining the word load per grade was to consult the basal readers and find the average number of words introduced at each level. No two series use exactly the same vocabulary, nor do they use the same number of words at any given level. Of the nine basal reading series, the average number of words introduced at each grade level is:

Although these figures were used as a base, the

¹Stanford E. Taylor, Basic Vocabulary. New York: Washington Square Reading Center, 1949.

² Earl A. Taylor, Stanford E. Taylor, and Helen Frackenpohl, *Basic Vocabulary* (Second Edition). Levittown, New York: Educational Development Laboratories, Inc. 1951.

³Stanford E. Taylor and Helen Frackenpohl, *Basic Vocabulary* (Third Revision). Huntington, New York: Educational Development Laboratories, Inc., 1955.

⁴This lag represents an overall average. In any spelling series, the words selected for a given grade include a great number of words not yet introduced in reading as well as a number of words that may have been introduced in reading a number of grades earlier. One of the reasons for this variation appears to be concern with the words' structure or form and with only a general consideration with word meaning as it relates to reading.

⁵B. R. Buckingham and E. W. Dolch, A Combined Word List. Boston: Ginn and Company, 1936.

word load was increased in certain grades where it was judged possible to successfully teach a greater number of basic words by more advanced instructional means. This is especially true of the intermediate levels. In addition, the trend reflected by the survey of the basal series seems to be toward increased word load on these levels.

The final word count for each grade level is as follows:

P 1 2 3 4 5 6 7 8 Total 68 311 527 850 992 1,201 1,378 802 862 6,991

2. Types of Words Included

In an attempt to include the most commonly used words in American English, words were selected which have general, specific, technical (if widely used), and social significance. Although root words have been stressed, in some instances it seemed desirable to include derived forms (especially in the lower grades). Proper names were avoided for the most part, but names of the days of the week, months, and widely observed holidays were included. Also included were the more common contractions and abbreviations. Most sound words, such as "meow" and "moo," and movement words, such as "hippety" and "zoom," were omitted. Provincialisms and colloquialisms were also omitted. Moreover, no attempt was made to include the more technical vocabularies for specific subjects and areas of learning.

3. Procedure for the Selection of Words

Grades 1-3

The lists for grade levels 1-3 were determined by the point of introduction in the nine basal series listed earlier. The frequency point at which a word was added to the list was set at 3 out of 9. (When a higher frequency was used, the desired word load could not be achieved, and the level of difficulty of the vocabulary was reduced considerably.)

Grades 4-6

The words for these levels were selected from the following sources:

A Basic Vocabulary of Elementary School Children, by Henry D. Rinsland.¹

The Teacher's Word Book of 30,000 Words, by Edward L. Thorndike and Irving Lorge.²

Those basal reading series which provide alphabetical lists of words introduced are:

Sheldon Basic Reading Series (Allyn and Bacon, Inc.)

Betts Basic Readers, Third Edition (American Book Company)

The Ginn Basic Readers, Ginn 100 Edition (Ginn and Company)

The Harper & Row Basic Reading Program (Harper & Row)

Winston Basic Readers (Holt, Rinehart and Winston)

Reading for Meaning (Houghton Mifflin Company)

The Development Reading Series (Lyons and Carnahan)

The Macmillan Reading Program (The Macmillan Company)

The New Basic Readers (Scott, Foresman and Company)

Words occurring in at least three basals on the same level or below were judged to be suitable for that level. Words occurring twice at the same level or below were checked first against the Rinsland list to confirm student knowledge of the word at that level and next against the Thorndike-Lorge list to determine whether a word was used frequently enough in written material (G listing) to justify its inclusion. In using the Thorndike-Lorge list, the authors' recommendations were used with regard to qualifying frequency. In some instances where questions arose regarding inclusion of a specific word, the Iowa Spelling Scale³ was consulted.

Grades 7-8

The vocabularies of the various basal readers on this level are so divergent that they are no longer of great importance as a vocabulary control. At these levels, the balance of the words suggested by the basals in grades 4 to 6 and not yet included in the vocabulary list (on the basis of too low a frequency) were rechecked against the Rinsland and Thorn-dike-Lorge lists and added to the list if their frequencies then warranted. The remainder of the word load for these two levels was derived almost exclusively from the Rinsland and the Thorndike-Lorge lists, using the same general approach as previously described.

It will be noticed that in the Revised Core Vocabulary, the word load on levels 7 and 8 is lower than in the previous edition. The changes in word load for these two grades now reflect downgrading of vocabulary as a result of the 1968 survey of basals for grades 1-6.

Grades 9-13

Between the words taught through eighth grade and those that are infrequently used and rather obscure

¹Published by the University of Oklahoma, 1945.

²Published by the Bureau of Publications, Teachers College, Columbia, 1944.

³ Harry A. Greene, *The New Iowa Spelling Scale*. Iowa City, Iowa: State University of Iowa, Bureau of Educational Research and Service, (undated).

in nature lie approximately 2,000 words (of the types previously described). The word loads for grades 9, 10, 11, and 12 were set at approximately 500 per grade level. This amount of words represents a feasible number for instruction over a year's time. The number of words for grade 13 was reduced to approximately 400 because of the greater difficulty of words on this level. The actual word load figures after the completion of the list are as follows:

Selecting words for these levels is at best a highly subjective task. Seemingly the only guides that can be used are the Thorndike-Lorge list and the various vocabulary improvement materials in wide use on these levels. In using the Thorndike-Lorge list, the highest frequency words, ranging from the more to the less frequently used, were selected. Modifications (upgrading and downgrading) and additions were made according to frequency of occurrence of words in the vocabulary improvement materials (see bibliography).

MATHEMATICS CORE VOCABULARY

Background

The use of vocabulary lists to indicate concept load for some particular content area dates back to fifteenth-century England when lists of words with their frequencies were compiled for use by shorthand writers.¹ In this country, the first lists compiled for pedagogical purposes were for the content areas of spelling (Ayres) and reading (Thorndike).² The works of Horn and Dolch, and Taylor, Frackenpohl, and White have updated the vocabulary lists for these content areas.³

In the area of vocabulary lists for mathematics (arithmetic), the single most significant work was done by Luella Cole in 1942. She compiled previous vocabulary studies of technical terms in mathematics (arithmetic) into a total of 224 words, 194 of which were classified as being pertinent to the elementary mathematics curriculum. Geometry words which now appear as early as first grade in modern

mathematics series were listed separately in her study under the content area of geometry. Although the terms on Cole's list were given a Thorndike rating for frequency, she cautioned that high frequency in general reading matter did not necessarily help students to understand a word's highly technical meaning in the content area of instructional materials.⁴

Even though later studies by Repp, Kerfoot, Stauffer, and Shaw have pointed to discrepancies in the introduction and continuity of usage of mathematical terminology in certain modern mathematics texts, there continues to be a need for a core listing of modern mathematical terms used in modern mathematics texts today.⁵

While no tabulation of mathematical terms can be considered final, this *Core Vocabulary for Mathematics, Grades 1-6* will provide the teacher, the writer of instructional materials, and the researcher with a valuable source of information on the special vocabulary used in mathematics programs for the elementary grades.

Further delineation of the mathmatical terminology through the use of the frequency concept will provide the reader with information concerning the relative usage of the mathematical terms in representative basal modern mathematics text currently in use in public elementary schools. Terms judged to be of high importance but found to have a low frequency in instructional materials should be given additional instructional time for learning and reinforcement.

PURPOSE OF, AND NEED FOR, THE STUDY

The purpose of this study was to compile an inventory of the usage and frequency of modern mathematical terms in commonly-used basal mathematics series in the public schools, for elementary grades one through six. The information compiled in this Core Vocabulary for Mathematics, Grades 1-6 represents the combination of two studies: one by Willmon on the usage and frequency of mathematical terms in the primary grade modern math texts, and

¹Charles C. Fries and A. Aileen Traver, *English Word Lists*. Ann Arbor, Michigan: The George Wahr Publishing Company, 1965, p. 2.
²Leonard P. Ayres, *A Measuring Scale for Ability in Spelling* New York: The Russell Sage Foundation, 1915; Edward L. Thorndike, *The Teacher's Wordbook of 10,000 Words*. New York: Bureau of Publications, Columbia University, 1921.

³ Earnest A. Horn, *A Basic Writing Vocabulary*. Iowa City, Iowa: College of Education, 1923; Edward W. Dolch, "The Use of Vocabulary Lists in Predicting Readability and in Developing Reading Materials," *Elementary English*, vol. 26 (March 1949), pp. 142-149; Stanford E. Taylor, Helen Frackenpohl, and Catherine E. White, *A Revised Core Vocabulary*. New York: Educational Developmental Laboratories, A Division of McGraw-Hill Book Company, 1969.

⁴Luella Cole, *The Teacher's Handbook of Technical Vocabulary*. Bloomington, Illinois: Public School Publishing Company, 1940, pp. 25–26.

⁵Florence C. Repp, "The Vocabularies of Five Recent Third Grade Arithmetic Textbooks," *Arithmetic Teacher*, vol. 7 March 1960, pp. 128-132; James F. Kerfoot, "The Vocabulary in Primary Arithmetic Texts," *The Reading Teacher*, vol. 14 January 1961, pp. 177-180; Russell G. Stauffer "A Vocabulary Study Comparing Arithmetic, Health, and Science Texts," *The Reading Teacher*, vol. 30 November 1966, pp. 141-147; U.S. Office of Education, *Reading Problems in Mathematics*, by Judith Shaw, ED 016 587, Bethesda, Maryland: ERIC Document Reproduction Service, 1967, pp. 5-11.

the second by Browning on the usage and frequency of mathematical terms in the intermediate grade texts.¹

A review of the research literature made by Willmon² indicates that many learning problems in mathematics are caused by reading difficulties.³

Readability studies of math textbooks specifically suggest that the technical vocabulary load may be the source of the major reading difficulties.⁴ These findings are supported by research in the general area of readability where it has been found that vocabulary influences the comprehension difficulty level of instructional materials, with the difficulty level increasing in the content area of instructional materials.⁵ Because the vocabulary load of a content area does represent for the student the most significant portion of the reading done in that subject area, a need is indicated for a vocabulary list of technical terms currently used in modern mathematics texts.

The results of this study will provide the mathematics teacher with the terminology used in instructional materials and a knowledge of the words considered most important in terms of frequency.

For example, a working knowledge of the core vocabulary will enable a teacher to see that if a term is of high importance but shows low frequency, it will require more instructional time and material for some students. Terms of infrequent usage and less importance may receive less instructional attention.

It is hoped that teachers, as well as authors of instructional materials, may use the *Core Vocabulary for Mathematics*, *Grades 1-6* as a basis for updating and/or revising instructional materials in the area of modern mathematics.

PROCEDURE FOR TABULATING PRIMARY TERMS

A total of eight basal arithmetic series were used in the primary word count. First-, second-, and thirdgrade texts in each of the eight series were included totaling twenty-four books. The following series were used in the word count: Addison Wesley (1968); Houghton Mifflin (1967); Harcourt Brace World (1966-1968); American Book Co. (1968); Singer (1966-1969); Holt, Rinehart and Winston (1966-1968); Laidlaw (1968); Silver Burdett (1968). Texts were selected on the recommendations of professors of mathematics education and of state mathematics supervisors. The chosen series are typical of the most widely used textbooks in public school systems today.

The study was conducted in two phases. In the first phase each page of each text was surveyed and the different specialized words and phrases were listed. This was done in accordance with Travers' recommendations for word-frequency counts.⁶ All words, including any general words which become technical when used in the specialized context of mathematics, were included on the list. For example, the words *line* and *point* have a general meaning as well as special mathematics concept.

Twenty-four different texts were examined in order to obtain a wide selection from the vocabularies of various authors. Again, in accordance with recommendations for word counts, graded texts were selected for counting where the content was presented in an organized, sequential form. After the survey, math educators were asked to review the terms and phrases to insure consistency between the reading specialist's point of view and the mathematics specialist's view. After the list was surveyed, a code number was assigned to each word.

The second phase of the study was the frequency count. The word frequency count was done by thirty pairs of counters, one checking on the other. As words were counted, they were recorded on the data sheet. A data sheet was provided for each page in all texts, and if no designated technical words appeared on a page, this was noted.

The following categories were used for definition of items:

Subject or Content-Area Words: Words used to convey concepts and meanings in a particular subject area, such as arithmetic.

Specialized Words: Words denoting a special meaning when used within a particular subject

¹Betty Jean Willmon, "A New Math Terminology List for the Primary Grades: An Instructional Reading Aid," unpublished, Florida State University, 1969; Carole L. Browning, "An Investigation of Selected Mathematical Terminology Found in Five Series of Modern Mathematics Texts for Grades Four, Five and Six," unpublished doctoral dissertation, Florida State University, 1970.

²Betty Jean Willmon, "The Importance of Updating Word Lists to Meet Curriculum Needs as Indicated by a Word Frequency Count in One Changing Content Area," paper presented at International Reading Association's Atlantic City convention (in press).

³ Edwin Eagle, "The Relationship of Certain Reading Abilities to Success in Mathematics," *The Mathematics Teacher*, XLI April 1948, H. C. Johnson, "The Effect of Instruction in Mathematical Vocabulary upon Problem Solving in Arithmetic," *Journal of Educational Research*, XXXVIII, March 1945, George Streby, "Reading in Mathematics," *Arithmetic Teacher*, IV March 1957.

⁴ J. K. Smith and J. W. Heddens, "The Readability of Experimental Mathematics Materials," *The Arithmetic Teacher*, XI October 1964; Donovan Johnson. "The Readability of Mathematics Textbooks," *The Mathematics Teacher*, L February 1957; Robert Kane, "The Readability of Mathematics Textbooks," paper presented at National Council of Teachers of Mathematics, Milwaukee, 1969.
⁵ Edmund J. Faison, "Readability of Children's Textbooks," *Journal of Educational Psychology*, vol. 42 January 1951; Jeanne Chall, "The Measurement of Readability," *Report of the Tenth Annual Conference on Reading*, ed. Gerald A. Yoakum Pittsburgh Press,

⁶Robert Travers, An Introduction to Educational Research. New York: The Macmillan Company, 1964.

Different Words: A term referring to the procedure of counting each word that is not like another word.

Running Words: A term referring to the procedure of counting all words, one after another, in a text.

Procedures for Word Derivations: Derivations were based on Webster's Seventh New Collegiate Dictionary (1965). Words with such endings as -s, -es, -ies, -ed, and -ing were not counted separately. For the purpose of this study, words with the suffixes -al, -er, -est, -ment, etc., were generally not counted separately. In some limited cases, if the concept of the word was changed radically by adding a

suffix ending, it was then counted separately. For example, the terms *addition*, *subtraction*, *division*, and *multiplication* were counted separately, as the suffix *-ion* gives each a mathematical connotation distinct from the root word.

A tabulation was made for each coded word at each grade level, for each series, and for all series combined. From this tabulation a master comprehensive total was made of the word frequencies.¹

Based on the frequency of each word, a master list containing a total of 473 words was compiled. Frequencies of the words ranged from 5,995 occurrences down to 1 occurrence. The following table (Table I) is a listing of the frequency categories used in tabulating the words and the number of words that appear in each category.

TABLE I FREQUENCIES OF PRIMARY ARITHMETIC TERMS

Categories	Frequencies of Usage	1	lumber of Terms
Category I	1,000 +		17
Category II	500-999		27
Category III	100-499		122
Category IV	50-99		58
Category V	35-49		38
Category VI	25-34		39
Category VII	Less than 25		<u>172</u>
		Total	473

PROCEDURE FOR TABULATING INTERMEDIATE TERMS

In order that the list of terminology in the intermediate grade study not become unwieldy, the number of modern mathematics texts examined was reduced to five series, with a total of fifteen texts. On the basis of the results of a twenty-six-state survey of state mathematics supervisors concerning the mathematics texts most popularly used in their respective states for Grades 4, 5, and 6, the modern mathematics series of the following publishers were selected for inclusion in the intermediate-grade inventory:

Addison Wesley (1968) American Book Company (1968) Holt, Rinehart and Winston (Nichols and other series, 1968) Houghton Mifflin (1967) Laidlaw (1968)

Each of the fifteen texts for Grades 4, 5 and 6 were analyzed for occurrence and frequency of some 743 mathematical terms found in the intermediate-grade texts which had not been analyzed for occurrence and frequency in the primary-grade study by Willmon.

In order to evenly distribute the effects of fatigue from counting words, the fifteen texts were divided into one hundred eleven blocks of approximately fifty pages each. Blocks included only the pages from the text proper and did not include glossaries, the tables of contents, etc. Each fifty-page block was inventoried in a random-order sequence for mathematical terminology found on the intermediate list of terms. The sequence for counting each block was determined by obtaining one random permutation of the numbers from one through one hundred eleven.²

¹Betty Willmon, "Reading in the Content Area: A New Math Terminology List for the Primary Grades," *Elementary English,* L (May 1971)

²The random sequence used by the researcher for analyzing the fifty-page blocks from the math texts was determined by requesting one random permutation from the APL/1500 programming language, using the form 111?111 on the IBM 1500 Instructional System at the Florida State University Computer Assisted Instruction Center, Tallahassee, Florida, 1970.

The intermediate list of mathematical terms beyond the terms on the Willmon Primary List was used in making the inventory of the intermediate grade texts. As each fifty-page block was counted, terms which appeared from the intermediate list were tallied on a separate tally sheet. Terms were counted only when used with a mathematical meaning; e.g., the word *principal* was counted only when used to mean "a bank-interest term"; when used in other meanings, it was not tallied.

A tabulation of the frequencies of each term was compiled for each of the fifteen texts. From these fifteen tabulations, a master comprehensive inventory of mathematical terminology and their frequencies in the five series was compiled and analyzed.

The following table (Table II) is a listing of the frequency categories used for the tabulation of the mathematical terminology and the number of words that appear in each category:

TABLE II
FREQUENCIES OF INTERMEDIATE ARITHMETIC TERMS

Categories	Frequencies of Usage		Number of Terms
Category I	451 or More		11
Category II	351-450		4
Category III	251-350		6
Category IV	151-250		27
Category V	101–150		26
Category VI	51–100		69
Category VII	26-50		103
Category VIII	11–25		144
Category IX	Less than 10		<u>353</u>
		Total	743

The following restrictions were imposed in counting and tabulating the terms:

- 1. No terms from the Primary List of Mathematical Terms *were* tabulated.
- 2. Unless a different form of a term carried a distinct mathematical connotation, all forms of a term were counted as the main-entry term. This included (1) plurals; (2) past tenses; (3) comparative and superlative forms of adjectives and adverbs, such as light, lighter, and lightest; (4) verb forms ending in -ing, -d, and -ed; and (5) adverbs which were formed by adding -ly, such as exactly.
- 3. This list of the 743 terms tabulated includes some terms in parentheses, for example, if-then (rule, sentence, statement). This indicates that the if-then rule, if-then sentence, and if-then statement were all tabulated as this entry term.
- 4. Whenever a term was tabulated for only a specific meaning, it is listed in parentheses; for example, base (of a figure) indicates that the term was tabulated only when used in that particular meaning.
- 5. Title pages, tables of contents, tables of weights, glossaries, etc., were not included in the tabulation.
- 6. All spelled-out terms on the list were tabulated.

- 7. No symbols, numerals, abbreviations, signs, or other characters *were* tabulated.
- 8. Terms occurring in page headings, topical entries, tables, and pictorial information *were* tabulated.
- 9. Hyphenated forms of nouns which changed them to modifiers were not tabulated.
- 10. Spelled-out forms of numerals and/or fractions *were not* tabulated.
- 11. Terms which occurred as a part of the ongoing format of almost every page (or many pages) of the text(s) *were not* tabulated.
- 12. A term in the list followed in parentheses by *no other form,* such as the term *closed,* means that only that form of the term was tabulated.
- 13. The plural form of a term is listed in the table if it was more commonly used in the text(s), for example, *corresponding sides*.

SUMMARY AND IMPLICATIONS

An analysis of the mathematics core vocabulary, grades 1 through 6, indicates a heavy vocabulary burden, which suggests a significant obstacle to achievement in mathematics. A review of the technical terms introduced in grades 1, 2, and 3 shows

that only seventeen of the 473 terms are repeated more than one thousand times; most of the technical terms are repeated less than 25 times.¹

A review of the technical terms introduced in grades 4, 5, and 6 shows that only eleven of the 743 terms are repeated more than 451 times and that 353 (48 percent) of the terms have a frequency of ten or less. Of the total terms, only ten (1.35 percent) were common to all fifteen texts. These ten terms (and their categories of frequency) are as follows: average (Category I), denominator (Category I), least (Category IV), mixed numeral Category III), month (Category IV), numerator (Category III), per (Category I), through (Category III), weigh (Category III), and year (Category I). Of the eleven terms appearing in the highest category of frequency, only four were common to all fifteen texts: denominator, average, year, and per.

In each of the five series of texts, over half of the mathematical terms tabulated had frequencies of ten or less. In two of the series, more than 65 percent of the terms tabulated had frequencies of ten or less. (The reader should keep in mind that a series frequency means the frequency of a term totaled from the three texts of a series; in other words, 65 percent of the terms had a frequency of ten or less, distributed across the texts composing a series.²)

The implications for the classroom teacher of the word frequency count of the core vocabulary for modern mathematics are that the technical vocabulary is large, and that the frequency of repetition is inadequate for developing a successful reading vocabulary for mathematics study. Of the terms on the basic primary word list, only 218 of the total 473 terms appear in EDL's A Revised Core Vocabulary, and 148 appear in Thorndike's The Teacher's Wordbook of 10,000 Words. These findings support the results of the Austin survey that the basal reader approach, as predominantly used, offers limited instruction in content area reading.3 Therefore, supplementary teaching of vocabulary in mathematics is imperative for developing content area reading skills in mathematics.

Suggestions for the classroom teacher: It is suggested that the *Core Vocabulary for Modern Mathematics, Grades 1-6* be used by classroom teachers:

 to diagnose for word-knowledge deficiencies related to previously taught mathematics concepts;

- 2. to inventory a list of terms to be introduced with mathematics topics currently being studied:
- 3. to organize a list of terms within the different areas of mathematics study (geometry, numeration, operations, sets, and so forth) for sequential reference study;
- 4. to develop word games, vocabulary activities, dictionaries, story problems, and other supplementary reading aids.

SCIENCE AND SOCIAL STUDIES CORE VOCABULARIES

In late 1977 EDL began planning a vocabulary series to help students learn the meanings of words used in the science and social studies curricula. Students typically have difficulty in science and social studies classes because they do not know or understand the meanings of the concept-bearing words used in these classes.

To determine which concept words were presented and at what level they were introduced, the glossaries of science and social studies series of the following publishers were consulted:

Science Series	Social Studies Series
Addison Wesley	Addison Wesley
American Book Company	Allyn and Bacon
Ginn and Company	American Book Company
Harcourt Brace Jovanovich	Benefic Press
Holt, Rinehart, and Winston	Ginn and Company
Laidlaw Brothers	Harcourt Brace Jovanovich
J. B. Lippincott	Holt, Rinehart, and Winston
Silver Burdett	Houghton Mifflin
Webster/McGraw-Hill	Macmillan

Two criteria were used for placing a word at a given grade level: If a word appeared three or more times in glossaries at a given level, it was placed on the list for that level. If a word appeared less than three times but did appear in the Reading Core Vocabulary at that grade level, it was placed on the list for that level.

¹Willmon, "Reading in the Content Area."

² Browning, "An Investigation of Selected Mathematical Terminology."

³ Mary Austin, The Torch Lighters, Cambridge: Harvard University Press, 1961.