



DesCartes: A Continuum of Learning[®]

VOCABULARY

for the Web-based MAP[®] system

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DesCartes Vocabulary

The following pages identify NWEA’s assessment vocabulary for reading, language usage, mathematics, science concepts and processes, and general science. Within each DesCartes subject area, vocabulary is included in the first RIT score range in which they appear. The RIT score range here indicates when the corresponding group of words may need to be introduced into the curriculum for this subject area, based on all NWEA data.

Reading

The following table identifies the reading assessment vocabulary at each RIT score range:

Table 1: Reading Vocabulary

RIT SCORE RANGE	READING VOCABULARY		
141-150	<ul style="list-style-type: none"> ▪ beginning sound ▪ letter 	<ul style="list-style-type: none"> ▪ narrative 	
151-160	<ul style="list-style-type: none"> ▪ ABC order ▪ book ▪ ending sound ▪ paragraph 	<ul style="list-style-type: none"> ▪ prefix ▪ report ▪ rhyme 	<ul style="list-style-type: none"> ▪ riddle ▪ sentence ▪ story
161-170	<ul style="list-style-type: none"> ▪ advertisement ▪ base ▪ compound word ▪ contraction ▪ directions ▪ fairy tale ▪ folk tale ▪ index 	<ul style="list-style-type: none"> ▪ list ▪ main idea ▪ note ▪ nursery rhyme ▪ opposite passage ▪ personal narrative ▪ poem problem ▪ question 	<ul style="list-style-type: none"> ▪ root ▪ setting ▪ sign ▪ syllable ▪ table of contents ▪ thank-you note ▪ vowel ▪ word family
171-180	<ul style="list-style-type: none"> ▪ announcement ▪ article ▪ atlas ▪ author ▪ author’s purpose ▪ bias ▪ biography ▪ business letter ▪ category ▪ chapter ▪ character ▪ cookbook ▪ dictionary 	<ul style="list-style-type: none"> ▪ effect ▪ fable ▪ fact ▪ fantasy ▪ journal ▪ label ▪ main character ▪ make-believe ▪ newspaper ▪ nonfiction ▪ opinion ▪ outline 	<ul style="list-style-type: none"> ▪ persuasive essay ▪ root word ▪ rule ▪ schedule ▪ science fiction ▪ short story ▪ statement ▪ suffix ▪ tall tale ▪ textbook ▪ title ▪ title page

RIT SCORE RANGE	READING VOCABULARY		
181-190	<ul style="list-style-type: none"> ▪ advertise ▪ almanac ▪ antonym ▪ bibliography ▪ cause and effect ▪ characteristics ▪ classify ▪ conclusion ▪ conflict ▪ definition ▪ describe ▪ encyclopedia ▪ fiction ▪ genre 	<ul style="list-style-type: none"> ▪ glossary ▪ historical fiction ▪ instructions ▪ invitation ▪ legend ▪ magazine ▪ manual ▪ mood ▪ moral ▪ multisyllabic ▪ order of events ▪ phrase ▪ play ▪ plot 	<ul style="list-style-type: none"> ▪ poet ▪ poetry ▪ point of view ▪ predict ▪ reference book ▪ resource ▪ source ▪ summarize ▪ text ▪ theme ▪ thesaurus ▪ topic sentence ▪ Venn diagram
191-200	<ul style="list-style-type: none"> ▪ American literature ▪ analogy ▪ argue ▪ caption ▪ chart ▪ climax ▪ compare ▪ compare and contrast ▪ description ▪ detail ▪ develop ▪ drama ▪ entertain ▪ essay ▪ example 	<ul style="list-style-type: none"> ▪ fact and opinion ▪ figure of speech ▪ footnote ▪ guide words ▪ infer ▪ inference ▪ inform ▪ job announcement ▪ labels ▪ main point ▪ memoir ▪ meter ▪ myth ▪ narrator ▪ news 	<ul style="list-style-type: none"> ▪ novel ▪ persuade ▪ policy ▪ purpose ▪ recipe ▪ resolution ▪ rhythm ▪ rising action ▪ science book ▪ speaker ▪ stanza ▪ synonym ▪ topic ▪ vocabulary ▪ word root
201-210	<ul style="list-style-type: none"> ▪ acronym ▪ alliteration ▪ anecdote ▪ annotated bibliography ▪ anthology ▪ argument ▪ assumption ▪ autobiography ▪ book review ▪ British literature ▪ brochure ▪ catalog ▪ chronological order ▪ conclude ▪ context ▪ conversation 	<ul style="list-style-type: none"> ▪ dialogue ▪ diary ▪ draft editorial ▪ evaluate ▪ exaggeration ▪ excerpt ▪ explain ▪ feeling field guide ▪ figurative language ▪ graph ▪ graphic organizer ▪ homonym ▪ literary device ▪ literary element ▪ map ▪ middle sound 	<ul style="list-style-type: none"> ▪ pamphlet ▪ personal essay ▪ persuasion ▪ problem and solution ▪ reference ▪ reference material ▪ research ▪ review ▪ satire ▪ scene ▪ secondary source ▪ sequence ▪ simile ▪ speech ▪ summary ▪ verb

RIT SCORE RANGE	READING VOCABULARY		
211-220	<ul style="list-style-type: none"> ▪ allusion ▪ appendix ▪ cause ▪ characterization ▪ characterize ▪ chronological ▪ classified ad ▪ connotation ▪ coupon ▪ debate ▪ diagram ▪ exposition ▪ falling action ▪ flashback ▪ foreshadowing 	<ul style="list-style-type: none"> ▪ guide letters ▪ headline hyperbole ▪ idiom ▪ imagery ▪ instruction ▪ irony ▪ memo ▪ memorandum ▪ metaphor ▪ narrate ▪ onomatopoeia ▪ parable ▪ personification ▪ persuasive ▪ picture book 	<ul style="list-style-type: none"> ▪ prediction ▪ present tense ▪ primary source ▪ primary source historical document ▪ pun ▪ quote ▪ research paper ▪ resolve ▪ revision ▪ subject ▪ suspense ▪ thesis paper ▪ word play
221-230	<ul style="list-style-type: none"> ▪ aphorism ▪ assonance ▪ consonance ▪ contrast ▪ first person ▪ form ▪ homophone 	<ul style="list-style-type: none"> ▪ journalism ▪ literature ▪ quotation ▪ second person sonnet ▪ symbolism ▪ table ▪ tale 	<ul style="list-style-type: none"> ▪ term ▪ third person ▪ tone ▪ viewpoint ▪ voice ▪ world literature
231-240	<ul style="list-style-type: none"> ▪ archetype ▪ omniscient ▪ oxymoron 	<ul style="list-style-type: none"> ▪ paradox ▪ pathetic fallacy ▪ standard English 	<ul style="list-style-type: none"> ▪ stereotype ▪ symbolize ▪ syntax
241-250	<ul style="list-style-type: none"> ▪ cliché ▪ iambic pentameter 	<ul style="list-style-type: none"> ▪ metric feet ▪ synecdoche 	
251-260	<ul style="list-style-type: none"> ▪ antithesis ▪ parallelism 	<ul style="list-style-type: none"> ▪ scansion 	

Language Usage

The following table identifies the language usage assessment vocabulary at each RIT score range:

Table 2: Language Usage Vocabulary

RIT SCORE RANGE	LANGUAGE USAGE VOCABULARY		
151-160	<ul style="list-style-type: none"> ▪ sentence 		
161-170	<ul style="list-style-type: none"> ▪ capital letter ▪ comma ▪ command ▪ comparative ▪ date ▪ exclamation 	<ul style="list-style-type: none"> ▪ invitation ▪ letter ▪ mark paragraph ▪ period ▪ poem 	<ul style="list-style-type: none"> ▪ possessive ▪ question ▪ statement ▪ story ▪ superlative
171-180	<ul style="list-style-type: none"> ▪ advertisement ▪ apostrophe ▪ contraction ▪ cookbook ▪ directions ▪ edit ▪ essay ▪ exclamation mark 	<ul style="list-style-type: none"> ▪ exclamation point ▪ greeting ▪ phrase ▪ poetry pronoun ▪ proofread ▪ punctuation ▪ question mark 	<ul style="list-style-type: none"> ▪ report ▪ sequence ▪ short story ▪ sign ▪ spelling ▪ verb ▪ word order
181-190	<ul style="list-style-type: none"> ▪ action verb ▪ address ▪ audience ▪ body ▪ book report ▪ book title ▪ brainstorm ▪ business letter ▪ capitalize ▪ chronological order ▪ closing ▪ colon ▪ compound sentence ▪ detail ▪ diagram ▪ diary ▪ draft 	<ul style="list-style-type: none"> ▪ exclamatory sentence ▪ fact ▪ fairy tale ▪ friendly letter ▪ heading ▪ hyphen ▪ indent ▪ journal ▪ list main heading ▪ main topic ▪ narrative ▪ noun ▪ nursery rhyme ▪ outline ▪ passage ▪ past tense ▪ play 	<ul style="list-style-type: none"> ▪ plural ▪ predicate ▪ publish ▪ punctuate ▪ revise ▪ run-on sentence ▪ semicolon ▪ signature ▪ singular ▪ stanza ▪ subject ▪ title ▪ to describe ▪ topic sentence ▪ where ▪ writing process

RIT SCORE RANGE	LANGUAGE USAGE VOCABULARY		
191-200	<ul style="list-style-type: none"> ▪ abbreviation ▪ adjective ▪ adverb ▪ advertise ▪ argument ▪ article ▪ author's purpose ▪ bibliography ▪ biography ▪ book review ▪ cause and effect ▪ character ▪ classified ad ▪ clause ▪ compare ▪ compare and contrast ▪ composition ▪ conclusion ▪ creative writing ▪ data ▪ description ▪ descriptive writing ▪ dictionary ▪ drama ▪ ending 	<ul style="list-style-type: none"> ▪ explanation ▪ expository ▪ expository writing ▪ fantasy ▪ fiction ▪ figurative language ▪ folk tale ▪ form ▪ future tense ▪ grammar ▪ graphic organizer ▪ imperative sentence ▪ introduction ▪ letter closing ▪ literary analysis ▪ main idea ▪ manual ▪ margin ▪ memo ▪ mood ▪ narrative writing ▪ nonfiction ▪ novel ▪ opinion 	<ul style="list-style-type: none"> ▪ persuasive writing ▪ plot ▪ proper noun ▪ quotation ▪ quotation mark ▪ research ▪ review ▪ revision ▪ rhyme ▪ salutation ▪ schedule ▪ science fiction ▪ setting ▪ subject-verb agreement ▪ tense ▪ textbook ▪ thesaurus ▪ to entertain ▪ to inform ▪ to persuade ▪ topic ▪ verb phrase ▪ when
201-210	<ul style="list-style-type: none"> ▪ antecedent ▪ argumentative essay ▪ author ▪ autobiography ▪ book ▪ caret ▪ chart ▪ declarative sentence ▪ definition ▪ dependent clause ▪ direct object ▪ direct quotation ▪ encyclopedia ▪ explain ▪ formal essay ▪ formal language 	<ul style="list-style-type: none"> ▪ format ▪ freewrite ▪ graph ▪ informative essay ▪ interrogative sentence ▪ introductory sentence ▪ legend ▪ linking verb ▪ literature ▪ log magazine ▪ main verb ▪ make-believe ▪ mystery ▪ myth object ▪ pamphlet ▪ parentheses 	<ul style="list-style-type: none"> ▪ prepositional phrase ▪ present tense ▪ sentence fragment ▪ simile ▪ singular noun ▪ slang ▪ subordinate clause ▪ supporting detail ▪ symbol ▪ syntax ▪ thank-you note ▪ thesis statement ▪ transition ▪ word choice

RIT SCORE RANGE	LANGUAGE USAGE VOCABULARY		
211-220	<ul style="list-style-type: none"> ▪ abstract ▪ active voice ▪ alphabetical order ▪ analyze ▪ application ▪ appositive ▪ capitalization ▪ characteristics ▪ cluster ▪ comma splice ▪ common noun ▪ comparison ▪ complex sentence ▪ compound-complex sentence ▪ conjunction ▪ contrast ▪ documentation ▪ editorial ▪ exposition ▪ expository essay ▪ figure of speech ▪ fragment ▪ generalization ▪ how-to essay 	<ul style="list-style-type: none"> ▪ hyperbole ▪ idiom ▪ imagery ▪ independent clause ▪ infinitive phrase ▪ instructions ▪ interjection ▪ journalistic ▪ language ▪ limerick ▪ main clause ▪ main point ▪ metaphor ▪ modifier ▪ noun clause ▪ noun phrase ▪ onomatopoeia ▪ organization ▪ parallelism ▪ part of speech ▪ participial phrase ▪ participle ▪ persona ▪ personification 	<ul style="list-style-type: none"> ▪ plural possessive ▪ preposition ▪ present participle ▪ prewrite ▪ prewriting ▪ primary source ▪ problem and solution ▪ process essay ▪ purpose ▪ resumé ▪ rhetorical question ▪ rough draft ▪ simple sentence ▪ source ▪ summarize ▪ summary ▪ synonym ▪ theme ▪ to explain ▪ tone ▪ verse ▪ visualize ▪ voice
221-230	<ul style="list-style-type: none"> ▪ alliteration ▪ allusion ▪ analogy ▪ assonance ▪ cliché ▪ compose ▪ consonance 	<ul style="list-style-type: none"> ▪ expository paragraph ▪ irony ▪ literary device ▪ literary response ▪ paraphrase ▪ parody ▪ participial 	<ul style="list-style-type: none"> ▪ persuasive argument ▪ plagiarize ▪ predicate noun ▪ reflexive pronoun ▪ symbolism
231-240	<ul style="list-style-type: none"> ▪ appositive ▪ adjective clause ▪ adjective phrase ▪ adverb clause ▪ allegory ▪ analysis ▪ apostrophes ▪ chapter ▪ colloquialism 	<ul style="list-style-type: none"> ▪ dash ▪ ellipsis ▪ epic poem ▪ fable footnote ▪ formal outline ▪ gerund ▪ hypothesis ▪ infinitive 	<ul style="list-style-type: none"> ▪ italics ▪ nominative pronoun ▪ objective pronoun ▪ supporting evidence ▪ tragedy ▪ underlining ▪ works cited
241-250	<ul style="list-style-type: none"> ▪ anecdote 		

Mathematics

The following table identifies the mathematics usage assessment vocabulary at each RIT score range:

Table 3: Mathematics Vocabulary

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
151-160	<ul style="list-style-type: none"> ▪ estimate ▪ half ▪ inch 	<ul style="list-style-type: none"> ▪ length ▪ most ▪ same 	<ul style="list-style-type: none"> ▪ shape ▪ size ▪ tallest
161-170	<ul style="list-style-type: none"> ▪ add ▪ addend ▪ centimeter ▪ circle ▪ cone ▪ corner ▪ cylinder ▪ equal 	<ul style="list-style-type: none"> ▪ feet ▪ flat ▪ largest ▪ longest ▪ more number ▪ number line ▪ number sentence ▪ pattern 	<ul style="list-style-type: none"> ▪ penny ▪ pyramid ▪ rectangle ▪ shortest ▪ sphere ▪ square ▪ tall ▪ triangle
171-180	<ul style="list-style-type: none"> ▪ between ▪ cent ▪ count ▪ cube ▪ diamond ▪ dime ▪ divide ▪ dollar ▪ even number ▪ fact family ▪ factor ▪ fewest ▪ figure ▪ gram ▪ graph ▪ greater ▪ greater than 	<ul style="list-style-type: none"> ▪ hour ▪ hundred ▪ hundreds ▪ less than ▪ line segment ▪ metric ▪ minute ▪ model ▪ most likely ▪ multiply ▪ numeral ▪ one ▪ ones ▪ ounce ▪ outside ▪ perimeter 	<ul style="list-style-type: none"> ▪ pound ▪ quart ▪ represent ▪ similar ▪ square unit ▪ subtract ▪ sum ▪ table ▪ temperature ▪ ten ▪ tens ▪ thermometer ▪ thousand ▪ time ▪ total ▪ whole number

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
181-190	<ul style="list-style-type: none"> ▪ addition ▪ after ▪ angle ▪ area ▪ average ▪ before ▪ Celsius ▪ chance ▪ chart ▪ clock ▪ clockwise ▪ closest ▪ congruent ▪ cost ▪ counting order ▪ cup ▪ day ▪ degree ▪ distance ▪ divisible ▪ dozen ▪ equation ▪ estimation ▪ flip ▪ foot ▪ fourths 	<ul style="list-style-type: none"> ▪ fraction ▪ gallon ▪ geometric figure ▪ half past ▪ height ▪ kilometer ▪ large ▪ least ▪ less ▪ line ▪ line of symmetry ▪ liter ▪ lowest ▪ measure ▪ meter ▪ mile ▪ more than ▪ morning ▪ most often ▪ multiplication ▪ nickel ▪ noon ▪ o'clock ▪ odd number ▪ order ▪ pint 	<ul style="list-style-type: none"> ▪ point ▪ quarter ▪ rate ▪ rotation ▪ round ▪ row ▪ second ▪ sentence ▪ set ▪ seventh ▪ side ▪ slide ▪ smallest ▪ solve ▪ symmetry ▪ tablespoon ▪ taller ▪ teaspoon ▪ ten thousand ▪ tenth ▪ thirds ▪ turn ▪ unit ▪ width ▪ yard ▪ year

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
191-200	<ul style="list-style-type: none"> ▪ approximate ▪ coins ▪ composite number ▪ consecutive ▪ decade ▪ deposit ▪ diagonal ▪ diagram ▪ difference ▪ digit ▪ division ▪ dollar sign ▪ face ▪ fact ▪ Fahrenheit ▪ fewer ▪ first ▪ fourth ▪ greatest ▪ hundredth ▪ intersect ▪ kilogram 	<ul style="list-style-type: none"> ▪ latest ▪ line graph ▪ measurement ▪ miles per hour ▪ milliliter ▪ million ▪ nearest ▪ number statement ▪ operation ▪ parallel ▪ parallelogram ▪ percent ▪ perpendicular ▪ polygon ▪ prime number ▪ product ▪ quarter past ▪ quarter to ▪ ray ▪ rectangular prism ▪ rectangular solid 	<ul style="list-style-type: none"> ▪ right angle ▪ rise ▪ rod ▪ same shape ▪ scale ▪ sign ▪ spinner ▪ square inch ▪ subtraction ▪ subtrahend ▪ surface ▪ symbol ▪ thousands ▪ thousandth ▪ ton ▪ unifix cubes ▪ value ▪ vertical line ▪ weight ▪ what time ▪ zero

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
201-210	<ul style="list-style-type: none"> ▪ about how much ▪ acute angle ▪ altitude ▪ bar graph ▪ base ▪ below ▪ biggest ▪ billion ▪ capacity ▪ change ▪ circumference ▪ compatible numbers ▪ coordinate point ▪ cubic unit ▪ data ▪ decameter ▪ decimeter ▪ decrease ▪ double ▪ east ▪ equivalent ▪ expanded numeral ▪ fold ▪ greatest common factor ▪ grid ▪ how many more ▪ hundred million ▪ hundred thousand ▪ hundredths 	<ul style="list-style-type: none"> ▪ inside ▪ inverse operation ▪ kite ▪ larger ▪ less likely ▪ lowest common denominator ▪ magic square ▪ mass ▪ mathematical statement ▪ maximum ▪ miles per gallon ▪ milligram ▪ millimeter ▪ Minimum ▪ mirror image ▪ mixed number ▪ multiple ▪ negative ▪ north ▪ number cube ▪ obtuse angle ▪ octagon ▪ ordered pair ▪ origin ▪ oval ▪ pentagon ▪ plane ▪ positive ▪ probability 	<ul style="list-style-type: none"> ▪ proportion ▪ quadrilateral ▪ random ▪ rectangular ▪ rectangular box ▪ regroup ▪ regular polygon ▪ rename ▪ rhombus ▪ rule ▪ ruler ▪ sequence ▪ skew ▪ speed ▪ square number ▪ standard numeral ▪ statement ▪ straight ▪ symmetrical ▪ ten thousands ▪ times ▪ trapezoid ▪ triple ▪ twist ▪ volume ▪ week ▪ when ▪ wide

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
211-220	<ul style="list-style-type: none"> ▪ above ▪ century ▪ circle graph ▪ column ▪ combinations ▪ common multiple ▪ commutative ▪ compare ▪ congruent angle ▪ cord ▪ date ▪ decimal ▪ decimal form ▪ decimal point ▪ diameter ▪ dice ▪ dilation ▪ evaluate ▪ factor tree ▪ fitted line ▪ formula ▪ function ▪ geometric solid ▪ heads ▪ hectometer 	<ul style="list-style-type: none"> ▪ high ▪ how many ▪ hundred thousands ▪ increase ▪ integer ▪ least common denominator ▪ likelihood ▪ line of best fit ▪ line plot ▪ lowest terms ▪ mean ▪ micrometer ▪ mileage table ▪ month ▪ odd ▪ parallel line ▪ perpendicular line ▪ place value ▪ plus ▪ proof ▪ property ▪ protractor ▪ prove ▪ quintillion 	<ul style="list-style-type: none"> ▪ radius ▪ ratio ▪ reduce ▪ reflection ▪ region ▪ remainder ▪ Roman numeral ▪ simplify ▪ smaller ▪ south ▪ square centimeter ▪ square feet ▪ square mile ▪ straight angle ▪ systematic list ▪ tails ▪ three-dimensional ▪ transformation ▪ translation ▪ triangular prism ▪ trillion ▪ union ▪ vertex ▪ vertical angle ▪ west

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
221-230	<ul style="list-style-type: none"> ▪ 5-frame ▪ absolute value ▪ algebra ▪ algebraic equation ▪ annual ▪ associative ▪ bill ▪ box-and-whisker plot ▪ center ▪ coin ▪ common denominator ▪ common factor ▪ compute ▪ constant ▪ coordinate ▪ cubic centimeter ▪ cubic feet ▪ cubic meter ▪ cubic millimeter ▪ cubic yard ▪ dimension ▪ distributive ▪ edge 	<ul style="list-style-type: none"> ▪ enlargement ▪ equilateral ▪ experimental probability ▪ expression ▪ fastest ▪ frequency table ▪ heaviest ▪ inequality ▪ interest ▪ isosceles triangle ▪ lightest ▪ longer mathematical sentence ▪ median ▪ middle ▪ midpoint ▪ mode ▪ net ▪ ninth ▪ obtuse triangle ▪ outcome ▪ partial product ▪ pi 	<ul style="list-style-type: none"> ▪ positive linear relationship ▪ predict ▪ prime factorization ▪ quadrant ▪ real number ▪ rectangular shape ▪ reflexive ▪ scalene triangle ▪ scatter plot ▪ shorter ▪ square meter ▪ standard form ▪ stem and leaf plot ▪ substitution ▪ survey ▪ ten million ▪ ten thousandth ▪ theoretical probability ▪ thousandths ▪ transitive ▪ twice
231-240	<ul style="list-style-type: none"> ▪ acute triangle ▪ algebraic sentence ▪ arc ▪ arithmetic progression ▪ borrow ▪ chord ▪ congruent side ▪ convert ▪ corresponding angle ▪ corresponding side ▪ cross-section area ▪ cubed ▪ cubic inch ▪ data point ▪ discount ▪ ellipse ▪ equality ▪ expanded notation ▪ exponent ▪ frequency ▪ half hour ▪ horizontal 	<ul style="list-style-type: none"> ▪ how long ▪ how much time ▪ incline ▪ interior angle ▪ interval ▪ kilowatt ▪ long ▪ lower quartile ▪ magnitude ▪ matrix ▪ meters per minute ▪ minus ▪ opposite ▪ outlier ▪ parabola ▪ percentile ▪ power ▪ quadrupled ▪ range ▪ right triangle ▪ sample 	<ul style="list-style-type: none"> ▪ scale factor ▪ scale model ▪ scientific notation ▪ secant ▪ short ▪ slope ▪ solution ▪ square pyramid ▪ square region ▪ successive ▪ system of equations ▪ tangent ▪ tax ▪ tenth power ▪ tenths ▪ term ▪ tessellation ▪ tripled ▪ upper quartile ▪ vector ▪ vertical

RIT SCORE RANGE	MATHEMATICS VOCABULARY		
241-250	<ul style="list-style-type: none"> ▪ adjacent angle ▪ algebra tile ▪ alternate exterior angle ▪ alternate interior angle ▪ angle bisector ▪ average salary ▪ commission ▪ complementary angle ▪ conclusion ▪ congruent triangle ▪ construction ▪ converse ▪ correlation ▪ domain ▪ equation of a line 	<ul style="list-style-type: none"> ▪ equiangular triangle ▪ equilateral triangle ▪ function table ▪ hyperbolic ▪ hypotenuse ▪ infinite ▪ interquartile range ▪ least common multiple ▪ leg ▪ linear foot ▪ linear graph ▪ linear pair ▪ number sequence ▪ point of intersection ▪ precise ▪ prime factor ▪ Pythagorean theorem 	<ul style="list-style-type: none"> ▪ rectangular area ▪ regression equation ▪ semicircle ▪ series ▪ square yard ▪ squared ▪ sum of measures ▪ supplementary ▪ surface area ▪ symmetric ▪ times table ▪ valid ▪ velocity ▪ whole ▪ wider ▪ x-axis ▪ y-axis
251-260	<ul style="list-style-type: none"> ▪ central angle ▪ coordinate plane ▪ exterior angle ▪ feet per second ▪ heptagon ▪ hexagon ▪ how much ▪ inscribe ▪ polynomial 	<ul style="list-style-type: none"> ▪ quartile ▪ regular hexagon ▪ representative sample ▪ right cylinder ▪ right pyramid ▪ slant height ▪ slope-intercept form ▪ solution set ▪ square kilometer 	<ul style="list-style-type: none"> ▪ supplementary angle ▪ time-and-a-half ▪ transversal ▪ undefined ▪ variable ▪ x-coordinate ▪ y-coordinate ▪ y-intercept
261-270	<ul style="list-style-type: none"> ▪ adjacent side ▪ axis ▪ circular ▪ collinear ▪ cosecant ▪ cosine ▪ counterexample 	<ul style="list-style-type: none"> ▪ depreciate ▪ empty set ▪ geometric series ▪ line symmetry ▪ opposite side ▪ point symmetry ▪ regular pentagon 	<ul style="list-style-type: none"> ▪ rotational symmetry ▪ semi-annual ▪ sine ▪ trigonometric function ▪ trigonometric relationship ▪ x-intercept
271-280	<ul style="list-style-type: none"> ▪ axis of symmetry ▪ bisector 	<ul style="list-style-type: none"> ▪ perpendicular bisector 	<ul style="list-style-type: none"> ▪ decagon
281-290	<ul style="list-style-type: none"> ▪ exponential ▪ identity 	<ul style="list-style-type: none"> ▪ inverse ▪ log 	<ul style="list-style-type: none"> ▪ reciprocal

Science

The following pages identify NWEA’s assessment vocabulary for science concepts and processes, and general science.

Concepts and Processes

The following table identifies the science (concepts and processes) usage assessment vocabulary at each RIT score range:

Table 4: Science, Concepts and Processes Vocabulary

RIT SCORE RANGE	CONCEPTS AND PROCESSES VOCABULARY		
161-170	▪ liquid		
171-180	<ul style="list-style-type: none"> ▪ after ▪ before ▪ belong ▪ bird ▪ candle ▪ cause ▪ change ▪ compare ▪ count ▪ direction ▪ electricity ▪ energy 	<ul style="list-style-type: none"> ▪ find out ▪ flame ▪ flower ▪ gas ▪ match ▪ moving ▪ number order ▪ person ▪ plant ▪ rank ▪ represent ▪ rock 	<ul style="list-style-type: none"> ▪ scale (tool) ▪ science ▪ shape ▪ side ▪ solid ▪ Sun ▪ technology ▪ time ▪ tree ▪ variable ▪ water ▪ weigh

RIT SCORE RANGE	CONCEPTS AND PROCESSES VOCABULARY		
181-190	<ul style="list-style-type: none"> ▪ accurate ▪ air ▪ balance (tool) ▪ chart ▪ cold ▪ common ▪ conclude ▪ determine ▪ Earth ▪ effect ▪ energy source ▪ estimate ▪ expect ▪ experiment ▪ feel ▪ feet (measurement) ▪ field (meadow) ▪ information ▪ fire ▪ food ▪ form ▪ form of matter ▪ freeze ▪ fuel ▪ gasoline ▪ graph ▪ gravity ▪ group 	<ul style="list-style-type: none"> ▪ grow ▪ have in common ▪ heat ▪ heat energy ▪ height ▪ hot ▪ information ▪ interaction ▪ length ▪ light ▪ magnifying glass ▪ matter ▪ measure ▪ measurement metric ruler ▪ Moon ▪ mountain ▪ move ▪ nonliving ▪ object ▪ observation ▪ observe ▪ oil ▪ operational definition ▪ organism ▪ people ▪ probable reason ▪ question ▪ radio 	<ul style="list-style-type: none"> ▪ reason ▪ record ▪ report ▪ rough ▪ ruler ▪ scientist ▪ see ▪ sense ▪ shelter ▪ sight ▪ size ▪ smell ▪ smooth ▪ soil ▪ solar ▪ sound ▪ sour ▪ steam ▪ switch ▪ taste ▪ telescope ▪ temperature ▪ thermometer ▪ tool ▪ touch ▪ universe ▪ wind ▪ wire

RIT SCORE RANGE	CONCEPTS AND PROCESSES VOCABULARY		
191-200	<ul style="list-style-type: none"> ▪ (data) log ▪ animal ▪ atmosphere ▪ average ▪ Celsius ▪ centimeter ▪ chemical energy ▪ classify ▪ color ▪ compressed ▪ computer ▪ conclusion ▪ condense ▪ condition ▪ constant ▪ control variables ▪ cool ▪ creek ▪ cycle ▪ cyclic pattern ▪ data ▪ day ▪ degree ▪ diagram ▪ direct observation ▪ directions ▪ distance ▪ eat ▪ enlarge ▪ evolution ▪ experimental result ▪ extend ▪ fact ▪ field ▪ force ▪ gradient ▪ gradual change ▪ ground ▪ hand lens ▪ hear 	<ul style="list-style-type: none"> ▪ hypothesis ▪ identify ▪ image ▪ infer ▪ insect ▪ interact ▪ investigation ▪ kinetic energy ▪ infer ▪ insect ▪ interact ▪ investigation ▪ kinetic energy ▪ leaf ▪ light energy ▪ live ▪ lung ▪ magnet ▪ magnifying lens ▪ material ▪ microscope ▪ model ▪ molecule ▪ motion ▪ notes ▪ nuclear energy ▪ ocean ▪ opinion ▪ pattern ▪ percentage ▪ perception ▪ period ▪ population ▪ potential energy ▪ power ▪ predict ▪ prediction ▪ pressure ▪ process ▪ proportion 	<ul style="list-style-type: none"> ▪ pull ▪ quantification ▪ quantify ▪ rain ▪ regular pattern ▪ reliable ▪ result ▪ river ▪ rotation ▪ sand ▪ scientific theory ▪ second ▪ seed ▪ seeing ▪ senses ▪ sequence ▪ series ▪ situation ▪ sky ▪ smelling ▪ solar energy ▪ space ▪ speed ▪ spring (metal) ▪ state of matter ▪ stethoscope ▪ stick ▪ stored energy ▪ study ▪ support ▪ table ▪ tasting ▪ theory ▪ time zones ▪ vibration ▪ vision ▪ volume ▪ weight ▪ world ▪ X-ray machine
201-210	<ul style="list-style-type: none"> ▪ absolute knowledge ▪ affect ▪ apparent size ▪ area 	<ul style="list-style-type: none"> ▪ gather ▪ generalization ▪ graduated cylinder ▪ gravitational field 	<ul style="list-style-type: none"> ▪ problem ▪ purpose ▪ push ▪ quality

RIT SCORE RANGE	CONCEPTS AND PROCESSES VOCABULARY		
	<ul style="list-style-type: none"> ▪ arrangement ▪ balance (equilibrium) ▪ breathe ▪ chance ▪ characteristic ▪ circle ▪ claim ▪ comet ▪ communicate ▪ contact ▪ crystal ▪ deceleration ▪ deep space ▪ density ▪ describe ▪ design ▪ discard ▪ disease ▪ disequilibrium ▪ east ▪ equilibrium ▪ evaluate ▪ evidence ▪ evolutionary change ▪ evolve ▪ exert ▪ explain ▪ explanation ▪ extinct ▪ factor ▪ field of view ▪ friction 	<ul style="list-style-type: none"> ▪ habitat ▪ hold constant ▪ hour ▪ ice ▪ imbalance ▪ inference ▪ instrument ▪ interpret data ▪ investigate ▪ justify ▪ level ▪ machine ▪ magnification power ▪ mass ▪ meter stick ▪ mile ▪ movement ▪ muscle ▪ negative deceleration ▪ north ▪ nutrition ▪ observable ▪ orderly ▪ per ▪ pH meter ▪ physical model ▪ point ▪ population control ▪ precise ▪ predator ▪ predictable 	<ul style="list-style-type: none"> ▪ quantity ▪ random group ▪ ray ▪ reject ▪ replicate ▪ research ▪ reversible ▪ scale (measurement) ▪ scale (size) ▪ scientific law ▪ scientific model ▪ shell ▪ significant ▪ slope ▪ southwest ▪ statistics ▪ surface ▪ system ▪ test ▪ texture ▪ thermostat ▪ time interval ▪ trial-and-error procedure unit ▪ valid ▪ velocity ▪ volcano ▪ wave ▪ west ▪ winter ▪ year

RIT SCORE RANGE	CONCEPTS AND PROCESSES VOCABULARY		
211-220	<ul style="list-style-type: none"> ▪ accelerate ▪ balance ▪ beaker ▪ birth rate ▪ coal ▪ coincidence ▪ column ▪ composition ▪ cyclic ▪ cyclic phenomenon ▪ decrease ▪ dependent ▪ design experiment ▪ diameter ▪ diesel ▪ double-pan ▪ balance ▪ electrical ▪ electrical field ▪ electrically neutral ▪ episodic ▪ evolutionary trend ▪ experimentation ▪ eyewitness ▪ formulate model ▪ geologist 	<ul style="list-style-type: none"> ▪ geothermal ▪ heating ▪ hypothesize ▪ inconclusive ▪ increase ▪ independent variable ▪ indicate ▪ interval ▪ judgment ▪ life function ▪ life-span ▪ mechanical ▪ mechanism ▪ meter ▪ natural gas ▪ negatively-charged ▪ nonrenewable energy resource ▪ nuclear ▪ number pattern ▪ orderly pattern ▪ pendulum ▪ phenomena ▪ physical property ▪ plate ▪ positively-charged 	<ul style="list-style-type: none"> ▪ precision ▪ probable ▪ quantitative ▪ random ▪ rate ▪ reasonable result ▪ regular increase ▪ regulated ▪ renewable energy source ▪ renewable resource ▪ repeat ▪ repel ▪ replication ▪ reproduce ▪ reproduction ▪ results ▪ scale model ▪ scaled up ▪ sphere ▪ testable ▪ theorize ▪ three-dimensional space ▪ trial ▪ two-dimensional space ▪ vary ▪ wood
221-230	<ul style="list-style-type: none"> ▪ abiotic factor ▪ assumption ▪ attraction ▪ biotic factor ▪ compass ▪ control ▪ controlled experiment ▪ conversion ▪ current ▪ dimensions ▪ elevation ▪ event ▪ factual ▪ finding (scientific) 	<ul style="list-style-type: none"> ▪ input ▪ intensity ▪ invalid (data) ▪ living ▪ magnetic ▪ magnetic field modification ▪ northern lights ▪ output ▪ Periodic Table of the Elements ▪ pole ▪ position 	<ul style="list-style-type: none"> ▪ principle ▪ procedure ▪ regular time interval ▪ replicable ▪ researcher ▪ respiration ▪ scientific ▪ scientific evidence ▪ scientific method ▪ sea level ▪ sense extender ▪ separation ▪ source
231-240	<ul style="list-style-type: none"> ▪ cancellation ▪ opposing forces 	<ul style="list-style-type: none"> ▪ qualitative ▪ significance 	<ul style="list-style-type: none"> ▪ validation

General Science

The following table identifies the general science usage assessment vocabulary at each RIT score range:

Table 5: Science, General Science Vocabulary

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
161-170	<ul style="list-style-type: none"> ▪ animal ▪ bird 	<ul style="list-style-type: none"> ▪ egg 	<ul style="list-style-type: none"> ▪ life cycle 	
171-180	<ul style="list-style-type: none"> ▪ (pine) cone ▪ air ▪ amphibian ▪ bean ▪ body ▪ breathe ▪ bud ▪ burrow ▪ caterpillar ▪ cave ▪ cloud ▪ coal ▪ cool ▪ cycle ▪ den ▪ desert ▪ dew ▪ drown ▪ Earth 	<ul style="list-style-type: none"> ▪ fall fish ▪ flower ▪ fog ▪ forest ▪ frog ▪ gasoline ▪ gill ▪ grow ▪ hail ▪ hatch ▪ head ▪ hibernate ▪ hot ▪ ice ▪ jungle ▪ leaf ▪ leg ▪ liquid ▪ mammal 	<ul style="list-style-type: none"> ▪ mountain ▪ neck ▪ need ▪ nest ▪ ocean ▪ plant ▪ protect ▪ pull ▪ push ▪ worm ▪ reptile ▪ rock root ▪ season ▪ seed ▪ seedling ▪ shell ▪ shoulder ▪ skin ▪ sleet 	<ul style="list-style-type: none"> ▪ smog ▪ snow ▪ soil ▪ spider ▪ spring ▪ stage ▪ stem ▪ summer ▪ Sun ▪ temperature ▪ time ▪ toad ▪ tree ▪ turtle ▪ waist ▪ weather ▪ wind

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
181-190	<ul style="list-style-type: none"> ▪ (egg) shell ▪ absorb ▪ active ▪ alive ▪ Alpha Centauri ▪ anemometer ▪ atmosphere ▪ autumn ▪ backbone ▪ bacteria ▪ balance (scale) ▪ bank ▪ barometer ▪ beach ▪ beak ▪ body of water ▪ bone ▪ bush ▪ calorie ▪ carbon dioxide ▪ carnivore ▪ cavities ▪ clam ▪ cold-blooded ▪ condensation ▪ conservation ▪ core ▪ crust ▪ crystal ▪ day ▪ daytime ▪ degree ▪ drink ▪ earthquake ▪ efficiency ▪ electricity ▪ enemy 	<ul style="list-style-type: none"> ▪ energy ▪ evaporation ▪ feather ▪ feel ▪ fossil ▪ friction ▪ fungus ▪ gas ▪ grain ▪ gravity ▪ hair ▪ hear ▪ heart ▪ heat ▪ height ▪ herb ▪ herbivore ▪ hind ▪ hydrometer ▪ hygrometer ▪ inch ▪ Inertia ▪ insect ▪ intestines ▪ iron ▪ Jupiter ▪ knee ▪ land ▪ length ▪ light ▪ living ▪ load ▪ lung ▪ magnet ▪ magnetic field ▪ magnetism ▪ magnifying glass 	<ul style="list-style-type: none"> ▪ mantle ▪ map ▪ Mars ▪ measure ▪ measuring cup ▪ Mercury (planet) ▪ metal ▪ meter ▪ milk ▪ minute ▪ mold ▪ Moon ▪ mouth ▪ natural resource ▪ nectar ▪ night ▪ nutrient ▪ observe ▪ ocean floor ▪ Orion ▪ oxygen ▪ precipitation ▪ pump ▪ recycle ▪ rib planet ▪ Pluto ▪ polarization ▪ Pole Star ▪ polluted ▪ pollution ▪ salt ▪ sand ▪ Saturn ▪ scale ▪ seasonal change ▪ see ▪ sense 	<ul style="list-style-type: none"> ▪ shadow ▪ shrub ▪ sight ▪ signal ▪ sleep ▪ smell ▪ solar system ▪ solid ▪ sound ▪ spears ▪ spring scale ▪ star ▪ steam ▪ stomach ▪ stone ▪ store ▪ stream ▪ structure ▪ sunlight ▪ surface ▪ swim ▪ tar ▪ taste ▪ thermometer ▪ tool ▪ touch ▪ unit of measure ▪ Uranus ▪ vine ▪ vitamin ▪ water ▪ water cycle ▪ water vapor ▪ winter ▪ wood ▪ woods ▪ work

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
191-200	<ul style="list-style-type: none"> ▪ abdomen ▪ adapt ▪ asteroid ▪ atom ▪ attract ▪ attraction ▪ axis ▪ bark ▪ blood ▪ body part ▪ body segments ▪ boil ▪ breeze ▪ bristle ▪ camouflage ▪ cat ▪ cell ▪ cell wall ▪ cephalothorax ▪ change ▪ characteristic ▪ chloroplast ▪ circulation ▪ circulatory system ▪ classification ▪ classify ▪ claw ▪ climate ▪ cohesion ▪ color ▪ comet ▪ complete (circuit) ▪ condense ▪ constant ▪ consumer ▪ container ▪ Coriolis force ▪ crack ▪ cross section ▪ cubic ▪ daylight ▪ decay ▪ defense 	<ul style="list-style-type: none"> ▪ developmental sequence ▪ diagram ▪ digestion ▪ digestive system ▪ direct (sunlight) ▪ direction ▪ dissolve ▪ distance ▪ down draft ▪ dust ▪ Earth's surface ▪ echo ▪ electrical conductor ▪ electrical energy ▪ electrical force ▪ electromagnetism ▪ energy source ▪ equilibrium ▪ erosion ▪ esophagus ▪ evaporate ▪ exercise ▪ experimentation ▪ explanation ▪ extinct ▪ feline ▪ field ▪ fire ▪ flood ▪ food chain ▪ food web ▪ force ▪ form ▪ four-chambered heart ▪ freeze ▪ fruit ▪ fulcrum ▪ function ▪ galaxy ▪ gale ▪ gather ▪ geographic area 	<ul style="list-style-type: none"> ▪ granite ▪ gravitational force ▪ ground ▪ ground wire ▪ group ▪ growth ▪ gust ▪ habitat ▪ heat energy ▪ hibernation ▪ hide ▪ high-pitched ▪ host ▪ humidity ▪ hunger ▪ hydrogen ▪ hypothesize ▪ inference ▪ ingestion ▪ internal ▪ intestine ▪ invertebrate ▪ larva ▪ latitude ▪ lava ▪ layer ▪ lever ▪ lightning ▪ lignite ▪ loud ▪ low-pitched ▪ lubricant ▪ lysosome ▪ magma ▪ mass ▪ matter ▪ meat-eater ▪ melt ▪ mineral ▪ mix ▪ molecule ▪ month ▪ moon (satellite) ▪ motion 	<ul style="list-style-type: none"> ▪ movement ▪ muscular system ▪ mushroom ▪ nebula ▪ Neptune ▪ nitrogen ▪ nocturnal ▪ nymph ▪ observation ▪ obsidian ▪ obtain ▪ ocean current ▪ order ▪ organism ▪ parasite ▪ particle ▪ petal ▪ photosynthesis ▪ pitch ▪ plant cell ▪ plant-eater ▪ Polaris ▪ predator ▪ prevailing wind ▪ prey ▪ producer ▪ protection ▪ protective coloration ▪ pupa ▪ rabbit ▪ rate ▪ reflect ▪ relationship ▪ repel ▪ reproduce ▪ reproduction ▪ reproductive system ▪ respiratory system ▪ response ▪ rest ▪ revolve ▪ rotate

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
191-200 continued	<ul style="list-style-type: none"> ▪ running water ▪ scatter ▪ seed coat ▪ segment ▪ shape ▪ shelter ▪ simple circuit ▪ simple machine ▪ Sirius ▪ skeleton ▪ slate ▪ solution ▪ source ▪ spinal cord 	<ul style="list-style-type: none"> ▪ spines (bristles) ▪ spore ▪ stages of growth ▪ states of matter ▪ static electricity ▪ stratosphere ▪ substance ▪ support ▪ survive ▪ system ▪ thorax ▪ thunder ▪ tide ▪ tilt 	<ul style="list-style-type: none"> ▪ tissue ▪ tornado ▪ turning point ▪ vacuole ▪ vapor ▪ Venus ▪ vertebrate ▪ vibration ▪ volcanic eruption ▪ volcano ▪ volume ▪ warm-blooded ▪ waste ▪ waterwheel 	<ul style="list-style-type: none"> ▪ wave ▪ wearing away/down ▪ weather cycle ▪ weathering ▪ wedge ▪ week ▪ weigh ▪ weight ▪ wind form ▪ wing ▪ wolf ▪ year

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
201-210	<ul style="list-style-type: none"> ▪ absorption ▪ acid ▪ air pressure ▪ air quality ▪ air resistance ▪ alcohol ▪ aluminum ▪ amphibious ▪ angstrom ▪ animal cell ▪ antenna ▪ anus ▪ arthropod ▪ atomic structure ▪ ATP ▪ balance (tool) ▪ ball-and-socket joint ▪ bar magnet ▪ base ▪ bill ▪ biome ▪ birth rate ▪ bladder ▪ blue-green algae ▪ body section ▪ body system ▪ branch ▪ broken (circuit) ▪ canyon ▪ carbon monoxide ▪ cause ▪ cavern ▪ cell membrane ▪ cell theory ▪ Celsius ▪ change over time ▪ chemical ▪ chemical property ▪ chemical weathering ▪ chlorophyll ▪ circuit ▪ circuit breaker 	<ul style="list-style-type: none"> ▪ circuit overload ▪ circulate ▪ collide ▪ column ▪ commodity ▪ community ▪ compaction ▪ compass ▪ compass needle ▪ complete metamorphosis composition ▪ compound ▪ compound machine ▪ conduct ▪ conductor ▪ constellation ▪ consume ▪ contract ▪ convert ▪ copper ▪ crater ▪ cross (genetic) ▪ crustacean ▪ cytoplasm ▪ dam ▪ death rate ▪ decomposer ▪ density ▪ develop ▪ development ▪ diffuse ▪ digest ▪ discharge ▪ distilled water ▪ DNA ▪ droplet ▪ east ▪ echinoderm ▪ ecological cycle ▪ ecology ▪ electric current ▪ electrical outlet ▪ electron 	<ul style="list-style-type: none"> ▪ element ▪ eliminate ▪ ellipse ▪ embryo ▪ environment ▪ equinox ▪ evidence ▪ evolution ▪ excrete ▪ exhale ▪ exoskeleton ▪ expand ▪ factor ▪ falling star ▪ fault line ▪ feet ▪ female ▪ fertilization ▪ filament ▪ fin fission ▪ fluctuate ▪ food supply ▪ foot ▪ forecast ▪ fossil fuel ▪ four-legged ▪ frost ▪ fungi ▪ funnel ▪ fuse ▪ fused (circuit) ▪ fusion ▪ gaseous ▪ generation ▪ generator ▪ genetics ▪ genotype ▪ glaciation ▪ glacier ▪ gravitational attraction ▪ greenhouse effect ▪ hand lens ▪ hardness 	<ul style="list-style-type: none"> ▪ hereditary information ▪ heredity ▪ horizontal ▪ hour ▪ human ▪ hypothesis ▪ igneous rock ▪ inclined plane ▪ individual consumption ▪ inert ▪ insulate ▪ insulation ▪ irrigation ▪ jellyfish ▪ jointed leg ▪ kidney ▪ kilometer ▪ kilowatt hour ▪ kinetic ▪ kinetic energy ▪ landslide ▪ large intestine ▪ life zone ▪ light energy ▪ light switch ▪ light-year ▪ litmus paper ▪ machine ▪ magnesium ▪ material ▪ measurement ▪ membrane ▪ mercury (element) ▪ message ▪ metamorphic rock ▪ meteor ▪ meteorite ▪ meteorologist ▪ migrate ▪ mile ▪ minimize

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
201-210 continued	<ul style="list-style-type: none"> ▪ mitochondria ▪ mixture ▪ molecular motion ▪ mollusk ▪ muscle ▪ native ▪ natural gas ▪ negatively charged ▪ nervous system ▪ neutral ▪ neutron ▪ Newton ▪ niche ▪ nitrogen cycle ▪ nitrogen dioxide ▪ nonmetal ▪ nova ▪ nuclear membrane ▪ nucleolus ▪ nucleus ▪ offspring ▪ oil ▪ oil well ▪ orbit ▪ organ ▪ organ system ▪ osmosis ▪ ovary ▪ parallel circuit ▪ paramecia ▪ pattern ▪ percolating ▪ pest ▪ petrification ▪ phase ▪ physical union 	<ul style="list-style-type: none"> ▪ physical universe ▪ polar attraction ▪ polarize ▪ pole ▪ pollen ▪ pollination ▪ pollutant ▪ population ▪ porous rock ▪ potential energy ▪ power ▪ prairie dog ▪ pressure ▪ prism ▪ process ▪ protein ▪ proton ▪ pulley ▪ rainfall ▪ red blood cell ▪ refract ▪ regulate ▪ relative age ▪ remains ▪ respiration ▪ respiratory ▪ ribosome ▪ river ▪ rock cycle ▪ rock layer ▪ rodent ▪ room temperature ▪ row ▪ sand dune ▪ saturation ▪ scale (skin) 	<ul style="list-style-type: none"> ▪ scales ▪ scientist ▪ screw ▪ sea ▪ sea level ▪ sediment ▪ sedimentary rock ▪ sedimentation ▪ seismograph ▪ selenium ▪ series circuit ▪ set ▪ sewage ▪ silver ▪ sinkhole ▪ size ▪ skeletal system ▪ skull ▪ sky ▪ slide ▪ slope ▪ small intestine ▪ social ▪ solute ▪ solvent ▪ sound energy ▪ source of energy ▪ space ▪ species ▪ spectrum ▪ speed ▪ speed of light ▪ speed of sound ▪ sperm ▪ sphere ▪ state ▪ stationary 	<ul style="list-style-type: none"> ▪ vertical row ▪ vibrate ▪ visible ▪ vocal cords ▪ water pressure ▪ water supply ▪ web sublimation ▪ succession ▪ sugar ▪ sulfur dioxide ▪ sulfur/sulphur ▪ surface area ▪ switch ▪ symbiosis ▪ synthesis ▪ texture ▪ thaw ▪ thermos jug ▪ tidal wave ▪ tin ▪ transpiration ▪ transport ▪ trout ▪ turbine ▪ umbilical cord ▪ unit ▪ uranium ▪ urinary bladder ▪ uterus ▪ vaporize ▪ vegetation ▪ well ▪ west ▪ wheel and axle ▪ wind speed ▪ wire ▪ yolk sac

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
211-220	<ul style="list-style-type: none"> ▪ abyssal floor ▪ abyssal plain ▪ agent ▪ air mass ▪ air pollution ▪ algae ▪ alpha particle ▪ amber ▪ anatomy ▪ angle ▪ annelida ▪ area of influence ▪ arm (parts of balance) ▪ artery ▪ artesian well ▪ arthropoda ▪ ash ▪ atmospheric pollution ▪ atoll ▪ atomic energy ▪ atomic mass ▪ atomic number ▪ average atomic mass ▪ balance ▪ basalt ▪ base (parts of balance) ▪ battery ▪ behavior ▪ beta particle ▪ biomass ▪ body fat ▪ boiling point ▪ boundary ▪ brake ▪ brass ▪ capillary ▪ carbon ▪ cell division ▪ cellulose ▪ centi- ▪ centriole ▪ change of phase 	<ul style="list-style-type: none"> ▪ change of state ▪ chemical bond ▪ chemical change ▪ chemical energy ▪ chemical reaction ▪ chlorine ▪ chromosome ▪ circuit tester ▪ cirrus ▪ cleavage ▪ closed container ▪ cnidaria ▪ cold front ▪ colony ▪ conception ▪ coniferous tree ▪ continental margin ▪ continental shelf ▪ continental slope ▪ crossing over ▪ crustal plate ▪ current ▪ cyclone ▪ decompose ▪ deep-water zone ▪ dehydrate ▪ dense ▪ deposit ▪ deposition ▪ determine ▪ diet ▪ dimmer (electrical) ▪ disease ▪ dominant ▪ dry cell battery ▪ dry ice ▪ duplicate ▪ Earth process ▪ Earth's crust ▪ echinodermata ▪ ecosystem ▪ effort ▪ electrical shock 	<ul style="list-style-type: none"> ▪ electrical wire ▪ electron affinity ▪ endoplasmic reticulum ▪ environmental condition ▪ enzyme ▪ erode ▪ excretory system ▪ explosion ▪ expression ▪ external appendage ▪ eye of a hurricane ▪ fair (weather) ▪ fat ▪ fault ▪ faulting ▪ fertilized ▪ first class lever ▪ fixed orbit ▪ flat ▪ float ▪ focal length ▪ focal point ▪ folding ▪ food ▪ food pyramid (ecological) ▪ formation ▪ formula ▪ frequency ▪ fresh water ▪ front ▪ full moon ▪ gastrulation ▪ gear ▪ gene ▪ genetic material ▪ gestation ▪ geyser ▪ glucose ▪ Golgi body ▪ gram 	<ul style="list-style-type: none"> ▪ ground water ▪ heart disease ▪ helium ▪ humid ▪ hurricane ▪ identify ▪ igneous ▪ illumination ▪ implantation ▪ infection ▪ infectious disease ▪ infrared ▪ inner core ▪ instrument ▪ insulator ▪ interaction ▪ interphase ▪ interrelationship ▪ involuntary responses ▪ ion ▪ isotope ▪ lichen ▪ life span ▪ limestone ▪ liter ▪ lithium ▪ live birth ▪ liver ▪ long-range effect ▪ lymphatic system ▪ magnetic ▪ marble ▪ mass number ▪ mate ▪ measurable ▪ meiosis ▪ melting point ▪ mercury barometer ▪ mercury thermometer ▪ meteoroid ▪ microorganism ▪ mid-ocean ridge

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
211-220 continued	<ul style="list-style-type: none"> ▪ Milky Way Galaxy ▪ milli- ▪ mitosis ▪ model ▪ mollusca ▪ moss ▪ mutation ▪ NASA ▪ natural resources ▪ new moon ▪ nonliving ▪ nonrenewable ▪ Northern Hemisphere ▪ nuclear ▪ nuclear explosion ▪ nuclear power ▪ oak ▪ ore ▪ organelle ▪ outer core ▪ overcrowding ▪ overpopulate ▪ overweight ▪ ovulation ▪ ovule ▪ pan (parts of balance) ▪ parent material ▪ penetrate ▪ period of revolution ▪ Periodic Table of the Elements 	<ul style="list-style-type: none"> ▪ petrified wood ▪ petroleum ▪ phase change ▪ phylum ▪ physical change ▪ physical environment ▪ pigment ▪ pistil ▪ plasma ▪ plasma membrane ▪ plate ▪ platelet ▪ population growth ▪ positively charged ▪ prediction ▪ preserve ▪ property ▪ proportion ▪ protoplasm ▪ protozoa ▪ pumice ▪ radiation ▪ radioactive waste ▪ ray ▪ react ▪ reaction ▪ recessive ▪ recycling ▪ reef ▪ reflection 	<ul style="list-style-type: none"> ▪ refraction ▪ region ▪ renewable ▪ renewable energy ▪ renewable resource ▪ replacement ▪ reservoir ▪ resource ▪ rift valley ▪ S.I. system ▪ salinity ▪ satellite ▪ saturation point ▪ scale (tool) ▪ sea floor ▪ seamount ▪ spectroscope ▪ sponge ▪ stamen ▪ stigma ▪ stress ▪ sublimate ▪ submerge ▪ symbol ▪ synthesize ▪ taxonomy ▪ tectonic plate ▪ test ▪ tidal ▪ tidal forces ▪ tide action ▪ trace elements 	<ul style="list-style-type: none"> ▪ trait ▪ transmission ▪ trench ▪ tube ▪ ultraviolet ▪ undisturbed ▪ vacuum ▪ valence ▪ valley ▪ vein ▪ vertical ▪ virus ▪ visible spectrum ▪ warm front ▪ watt ▪ wave action ▪ wavelength ▪ white blood cell ▪ white dwarf ▪ yeast ▪ seawater ▪ section ▪ sedimentary ▪ selective breeding ▪ sex ▪ shale ▪ shallow-water zone ▪ single-celled ▪ smoking ▪ solar ▪ solubility point

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
221-230	<ul style="list-style-type: none"> ▪ (plant) cell wall ▪ abiotic factor ▪ acid rain ▪ active transport ▪ additive ▪ adrenalin ▪ algal bloom ▪ alternating circuit ▪ alternative energy source ▪ altitude ▪ amino acid ▪ amoeba ▪ amplitude ▪ appendix ▪ aquifer ▪ artificial selection asteroid belt ▪ bacteria of decay ▪ biologist ▪ blood sugar level ▪ brain ▪ breccia ▪ breeder ▪ carbohydrate ▪ catalyst ▪ cellular respiration ▪ cellular structure ▪ centrifugal force ▪ charge ▪ charged particle ▪ chitin ▪ cilia ▪ class ▪ class (taxonomy) ▪ classification system ▪ competition ▪ conduction ▪ conjugation ▪ conservation biologist 	<ul style="list-style-type: none"> ▪ conservation of mass ▪ conserve ▪ constitute ▪ convect ▪ convergent plate boundary ▪ corrosion ▪ cosmic rays ▪ cover crop ▪ cumulus ▪ Darwin ▪ DDT ▪ deletion delta ▪ diffusion ▪ divergent plate boundary ▪ Dmitri Mendeleev ▪ effect ▪ electric ▪ electrical field ▪ embed ▪ energy releasing process ▪ erupt ▪ estrogen ▪ extrusive ▪ family ▪ fault zone ▪ fermentation ▪ flagella ▪ flatworm ▪ flow ▪ follicle-stimulating hormone ▪ fracture ▪ fuel ▪ gene frequency ▪ gene pool ▪ genus ▪ gold ▪ graduated cylinder ▪ grams ▪ grassland 	<ul style="list-style-type: none"> ▪ gravitational field ▪ guard cell ▪ Halley's Comet ▪ high ▪ holdfast ▪ hormone ▪ hydroelectric power ▪ inherited ▪ inorganic ▪ insulin ▪ intensity ▪ inversion ▪ ionic ▪ iron filings ▪ kilogram ▪ kingdom ▪ Leeuwenhoek ▪ Linnaeus ▪ lipids ▪ location ▪ locomotion ▪ lowland ▪ lubricate ▪ metal plate ▪ metallic ▪ methane ▪ Milky Way ▪ milliliter ▪ mineral content ▪ moisture ▪ mudstone ▪ multiplication ▪ natural selection ▪ negative ▪ neutralize ▪ nimbus ▪ nuclear energy ▪ nuclear fission ▪ nuclear reaction ▪ nuclear reactor ▪ nucleic acid ▪ oceanic crust ▪ oil deposit ▪ pancreas 	<ul style="list-style-type: none"> ▪ parathormone ▪ Pasteur ▪ pH ▪ phenotype ▪ phosphate ▪ phosphorous ▪ phototropism ▪ plains ▪ plant matter ▪ plasmodium ▪ plastid ▪ prehistoric ▪ product ▪ protein synthesis ▪ protist ▪ pseudopod ▪ radiate ▪ rainforest ▪ random ▪ rate of entry ▪ reactant ▪ reaction force ▪ reactor site ▪ reduction division ▪ rock face ▪ runoff ▪ San Andreas fault ▪ sandstone ▪ Schwann ▪ seashell ▪ second ▪ separate ▪ settle ▪ shore ▪ sift ▪ sodium chloride ▪ solar power ▪ specialization ▪ specimen ▪ star cluster ▪ starch ▪ stimulus ▪ stinging cell ▪ stomate ▪ stored energy

RIT SCORE RANGE	SCIENCE, GENERAL SCIENCE VOCABULARY			
221-230 continued	<ul style="list-style-type: none"> ▪ stratus ▪ streak (test) ▪ subdivision ▪ subduction boundary ▪ subsoil 	<ul style="list-style-type: none"> ▪ substitution ▪ substratum ▪ surface wind ▪ survival ▪ symmetrical 	<ul style="list-style-type: none"> ▪ thunderhead ▪ tidal power ▪ transfer ▪ translocation ▪ transportation 	<ul style="list-style-type: none"> ▪ tundra ▪ vestigial structure ▪ volcanic action ▪ xylem
231-240	<ul style="list-style-type: none"> ▪ axon ▪ basic ▪ climate condition ▪ climax ▪ coelenterata ▪ conglomerate ▪ daughter cell ▪ decibel ▪ deep-sea trench ▪ divide ▪ ebb tide 	<ul style="list-style-type: none"> ▪ electrochemical impulse ▪ evacuate (container) ▪ flood tide ▪ genetic structure ▪ geotropism ▪ germination ▪ hertz ▪ high pressure system 	<ul style="list-style-type: none"> ▪ high tide ▪ joule ▪ liverfluke ▪ loudness ▪ low tide ▪ maturation ▪ nematoda ▪ neuron ▪ neurotransmitter ▪ overtone 	<ul style="list-style-type: none"> ▪ phagocytosis ▪ phenolphthalein ▪ pinocytosis ▪ pioneer (plant) ▪ platyhelminthes ▪ Richter scale ▪ sequence ▪ siltstone ▪ synapse