

RIT TO CONCEPTS

for the Web-Based MAP[®] system

Use the following word lists as you teach the concepts that students are ready to learn. The words within each RIT band represent the difficulty level that MAP measures, regardless of your state standard. For students who scored within a given range, you can enhance their instruction by reinforcing these words.

For English language learners, these word lists can prepare students before the MAP assessment, because the words and related concepts are likely to appear in the test. (However, because tests are adaptive, the words are not guaranteed to appear.)

These words lists are not comprehensive. Use them in conjunction with other vocabulary lists associated with your curriculum.

Relation to Learning Continuum

These words and concepts correspond directly to the MAP Learning Continuum report. If you want more context, especially how these topics evolve across the RIT bands, please refer to the Test View within the Learning Continuum. You'll find learning statements that can better suggest when a topic might be a focus for instruction.

Subjects

- [Mathematics Concepts by RIT on page 2](#)
- [Reading Concepts by RIT on page 9](#)
- [Language Usage Concepts by RIT on page 14](#)

Mathematics Concepts by RIT

Note: The grade-levels shown in each RIT band are based on the 2015 NWEA Norms Study. They are only an approximation and overall guideline for the difficulty level.

MATHEMATICS	
RIT BAND + NORMS	CONCEPTS TO INTRODUCE
131-140	Whole Numbers—Counting and Cardinality: number
141-150 Grade K, beginning to mid-year	Whole Numbers—Addition/ Subtraction: compare quantities sum Length: length height width Identification and Classification of 2-D Shapes: circles rectangles triangles measure squares
151-160 Grade K, end of year	Additional Learning Continuum topic: Data Analysis Concepts building on topics from prior RIT bands: add octagon rhombus category parallelogram subtract equal parts pentagon trapezoids hexagon Number Sentences/Equations/Equivalence: difference parts of addition and subtraction problems Time: hour Spatial Concepts and Symmetry: location words

MATHEMATICS

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**Whole Numbers—Compare / Order:**

backwards
count
order

Identification and Classification of 3-D Shapes:

cones	cubes	spheres
corners	cylinders	

Additional Learning Continuum topics:

- Fractions: Equivalence
 - Fractions: Represent/Model
 - Whole Numbers: Multiplication/Division
 - Whole Numbers: Represent and Solve Word Problems
 - Whole Numbers: Place Value
-

161-170

Grade 1,
beginning to
mid-year

Concepts building on topics from prior RIT bands:

digit	hundreds	start, change, end
fourths	ones	tens
halves	open or closed shape	thirds

Money:

coins
dollar

Problem Solving with Units:

foot	mile	yard
inch	ruler	yardstick

Data Representation:

bar graph	pictograph
measurement scale	scale

Additional Learning Continuum topics:

- Decimals—Addition/Subtraction
 - Angle Measurement
 - Area
-

MATHEMATICS

RIT BAND**CONCEPTS TO INTRODUCE**

+ NORMS

171-180**Concepts building on topics from prior RIT bands:**Grade 1,
mid to end of yearGrade 2,
beginning of year

denominator	hundred thousands	quarter hour
edges	line of symmetry	second
even	minute	ten thousands
faces	model	thousands
fraction	numerator	vertices
half-past	odd	

Fractions—Compare/Order:

equivalent

Numerical Expressions:

expanded form
 parentheses in expressions
 unknowns in number sentences

Whole Numbers;**Decimals—Rounding/Estimation:**

estimation
 rounds

Additional Learning Continuum topics:

- Conversion of Units
- Coordinate Geometry
- Decimals—Represent and Solve Word Problems
- Perimeter/Circumference
- Probability
- Properties and Relationships of Operations
- Whole Numbers—Concepts/Properties

181-190**Concepts building on topics from prior RIT bands:**Grade 2,
middle of year

a.m. / p.m.	equations	scatter plot
chart	hundred millions	table
coordinates	million	ten millions
degree	multiples	

Fractions: Addition/Subtraction:

mixed number

Angle Measurement;**Points, Lines, Segments, Rays, and Angles:**

acute angle	parallel	right angles
obtuse angle	protractor	

MATHEMATICS

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**Additional Learning Continuum topics:**

- Decimals—Multiplication/Division
 - Bivariate Data
 - Rates/Ratios/Proportions/Percents
-

191-200Grade 2,
end of yearGrade 3,
beginning to
mid-year**Concepts building on topics from prior RIT bands:**

decimals	likelihood (of event)	perimeter
dividend	line segments	points
divisor	lines	prime
dot plot	positive	rays
estimate	proportion	solution
equilateral	negative	unit rate
isosceles	number line	variable

Fractions—Represent and Solve Word Problems:

composite	factor	simplest form
converts		

Capacity;**Weight/Mass:**

capacity	liter	pounds
cups	ounces	quarts
gallons	pints	

Additional Learning Continuum topics:

- | | |
|--|-------------------------|
| - Decimals—Multiplication/Division | - Algebraic Expressions |
| - Fractions—Multiplication/Division | - Linear Functions |
| - Patterns/Sequences/Series | - Sample Spaces |
| - Rational Numbers—Equivalence and Represent/Model | |
-

MATHEMATICS

RIT BAND**CONCEPTS TO INTRODUCE**

+ NORMS

201-210**Concepts building on topics from prior RIT bands:**Grade 3,
end of yearGrade 4,
beginning to
mid-year

associative property	kilometer	mode
centimeter	liter	nets
commutative property	mean	outliers
diagonal	median	quadrants
distance	meter	scalene
distributive property	milliliter	y-intercept
inverse	millimeter	

Decimals—Compare/Order;**Decimals—Represent/Model:**

hundredths

tenths

thousandths

Volume:

prism

pyramid

unit cube

Similarity:

scale factor

Rational Numbers—Solve Real-World and Mathematical Problems:

rate

simplify

Additional Learning Continuum topics:

- Congruence

- Measures of Center and Spread (Variability)

- Populations/Random Processes

- Transformations

MATHEMATICS

RIT BAND**CONCEPTS TO INTRODUCE**

+ NORMS

211-220**Concepts building on topics from prior RIT bands:**

Grade 4, end of year	box plot	outliers	reflection
Grade 5, beginning to mid-year	combine terms	perpendicular	rotation
Grade 6, beginning of year	complementary	quartiles	rule for patterns or sequences
	diameter	radius	supplementary
	improper fractions	range	translation
	joint probability	reasonableness	vertical angle
	mixed number		

System of Equations/Inequalities:

standard form

Rate of Change/Slope:

linear

Exponents;**Scientific Notation:**

base

power / powers

square root

Additional Learning Continuum topics:

- Rational Numbers—Compare/Order

- Integers—Computation

221-230**Concepts building on topics from prior RIT bands:**

Grade 5, end of year	cube root	histogram	parameters
Grade 6, mid to end of year	experimental probability	independent events	theoretical probability
	exponential form	line of best fit	

Grades 7 and 8,
beginning to
end of year**Inequalities;****Linear Functions:**

dependent variable

substitution

independent variable

Relationships involving Lines, Angles, and Polygons:

exterior angle

interior angle

transversal

MATHEMATICS

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**Additional Learning Continuum topics:**

- | | |
|--------------------------------------|--|
| - Absolute Value—Concepts/Properties | - Real/Complex Numbers—Concepts/Properties |
| - Rational Numbers—Computation | - Quadratic Functions |
-

231-240

Grades 9, 10, 11,
beginning to
end of year

Concepts building on topics from prior RIT bands:

conditional probability
dilation
irrational number
replacement

**Exponential and Logarithmic Functions;
Piecewise/Absolute Value Functions;
Properties and Operations of Functions;
Real/Complex Numbers—Computation:**

axis of symmetry	exponential decay	polynomials
binomial	exponential growth	zeros of a function
domain	monomial	

Pythagorean Theorem;**Trigonometry;****Circles:**

chord
midpoint

241-250**Trigonometric Functions / Radian Measure**

cosine	sine
radians	tangent

Additional Learning Continuum topics:

Rational Functions; Radicals; and Surface Area

251-260**Concepts building on topics from prior RIT bands:**

arc	rotational symmetry
inscribed angle	slant height

Geometric Proof:

postulate
theorem

Reading Concepts by RIT

Note: The grade-levels shown in each RIT range are based on the 2015 NWEA Norms Study. They are only an approximation and overall guideline of the RIT range difficulty level.

READING			
RIT BAND + NORMS	CONCEPTS TO INTRODUCE		
Below 161 Grade K, beginning to end of year	Base Words, Affixes:		
	base	ending	prefix
	beginning	ending sound	word
	beginning sound		
	Inferences, Conclusions, Predictions; and Locating Information: where		
	Context Clues—Unknown and Multiple-Meaning Words; Picture Vocabulary; Word Relationships; Text Features, Visuals:		
	activity	guess	picture
	animals	main	same
	describes	meaning	similar
	find	paragraph	story
	Additional Learning Continuum topic: - Academic and Content Vocabulary		
161-170 Grade 1, beginning of year	Concepts building on topics from prior RIT bands:		
	author	hear	sentence
	chart	hint	smell
	clue	label	taste
	contraction	nature	think
	feel	note	Venn diagram
	feelings	root	visual
	graph	see	
	Main or Central Idea, Topic, Titles;		
	central	different	problem
	classify	important	reason
	compound	lesson	text
	description	main point	title
	determine	people	topic

READING

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**Following Directions:**

categorize	instructions	order
directions	learn	question
group	list	set
information	locate	sort

Additional Learning Continuum topics:

- | | |
|---|------------------------|
| - Author's Craft—Figurative Language, Imagery + Description | - Purpose |
| - Characteristics of Genre | - Sequencing |
| –Business, Technical, Procedural | - Setting |
| –Literary Nonfiction | - Theme, Moral, Lesson |
| –Persuasive, Argumentative | - Word Categorization |
| - Plot | |
-

171-180Grade 1,
mid to end of yearGrade 2,
beginning of year**Concepts building on topics from prior RIT bands:**

action	locate	predict
change	location	sequence
conclusion	main character	setting
event	plot	suffix
illustration		

Characteristics of Genre—Literary;**Author's Craft—Perspective, Attitude:**

fairy tale	poem	short story
fiction	poet	speaker
make-believe	poetry	

Characteristics of Genre—Informational:

informational	nonfiction	source
purpose	reference	

Facts and Opinions:

belief	opinion	true
fact	real	truth
factual	statement	view

Additional Learning Continuum topics:

- Assertions and Claims
 - Author's Craft—Persuasive and Rhetorical Techniques
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READING

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**181-190**Grade 2,
mid to end of yearGrade 3,
beginning of year**Concepts building on topics from prior RIT bands:**

antonym	graphic organizer	synonym
develop	homonym	thesaurus
dictionary	realistic	timeline
genre	realistic fiction	title page
glossary	resource	

Summarizing, Paraphrasing:

in your own words	restate	summary
paraphrase	retell	theme
related	summarize	

Mood;**Point of View:**

compare	narrator (perspective, attitude)	third-person viewpoint
differ	point of view	
effect		
mood		

Additional Learning Continuum topic:

- Word Nuances and Shades of Meaning

READING

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**191-200**Grade 3,
mid to end of year**Concepts building on topics from prior RIT bands:**

author's focus	drama	reference material†
caption†	first-person point of view	resolution
character relationship	homophone	rising action
claim	index†	subheadings†
climax	lead	supporting character
conflict	newspaper writing	table of contents†
context	characteristics	title (choose the best)
contrast		
definition		

†purpose of each

Supporting Details;**Inferences, Conclusions, Predictions:**

cause-effect	detail	support
central idea	main idea	supporting details
characterize	reinforce	

Additional Learning Continuum topic:

- Author's Craft—Foreshadowing, Flashback

READING

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**201-210**Grade 4,
mid to end of yearGrade 5,
beginning to mid-year**Concepts building on topics from prior RIT bands:**

alliteration	exposition	literary element
analyze	falling action	metaphor
bias	figurative language	persuade
character motivation	flashback	onomatopoeia
characteristics	foreshadow	persuasive
conclude	idiom	resolve
comparative	inform	secondary source
contribute	library	simile
convince	literal description	stereotype
evaluate	literary device	superlative
evidence		

Text Structure—Organization:

form	structure	white space*
organization	varied typeface*	

*purpose in informational text

Dialogue:

conversation
converse
dialogue

Additional Learning Continuum topic:

- Author's Craft—Style, Voice, Tone

211-220Grade 5,
end of yearGrades 6 to 8,
beginning
to end of yearGrade 9,
beginning of yearGrade 10,
beginning of year**Concepts building on topics from prior RIT bands:**

analogy	history	style
argue	imagery	summarizing strategies
argumentative	intent	technique
assumption	intention	tone
drama	irony	voice
historical document (relationship between two parts)	paradox	

READING

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**221-230****Concepts building on topics from prior RIT bands:**Grade 9,
mid to end of year

allegory

fable†

sonnet

Grade 10,
mid to end of year

all-knowing

legends†

tales†

Grade 11,
beginning
to end of year

extended metaphor

myths†

†distinguish between

231-240**Concepts building on topics from prior RIT bands:**

ironic point of view (effect on meaning)

stage directions

tone

241-250**Concepts building on topics from prior RIT bands:**

satirical passage (understand author's point)

Language Usage Concepts by RIT

Note: The grade-levels shown in each RIT range are based on the 2015 NWEA Norms Study. They are only an approximation and overall guideline of the RIT range difficulty level.

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**Below 161****Capitalization-First Word Rules:**

action

correct / right

incorrect

capital letter

describe

move

capitalize

form

sentence

complete

Additional Learning Continuum topics:

- Adjectives

- Pronouns

- Agreement

- Sentence Completeness

- Apostrophe

- Spelling—Commonly Misspelled Words

- Coordination, Subordination

- Verbs

- Prepositions, Conjunctions, Interjections

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**161-170****Concepts building on topics from prior RIT bands:**

base
ending
pronoun

Capitalization—Proper Nouns and Titles:

date	month	place
days of the week	name	title

Ending Punctuation:

complete sentence	explanation mark	when
end mark	period	where
excited	question	who
exclamation	question mark	why
exclamation point	what	

Drafting;**Main Ideas / Topic Sentence / Supporting Details;****Prewriting;****Revising:**

add	correct
arrange	plan
change	topic
combine	

Subject/Predicate:

action verb
verb

Nouns;**Phrases;****Sentence Meaning:**

compare	past	subject
future	plural	word endings
nouns	present	word order
passage	singular	

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**161-170,
continued****Additional Learning Continuum topics:**

- Commas
 - Editing and Proofreading
 - Initials and Abbreviations
 - Sentence Types
 - Spelling—Affixes and Roots
 - Syntax
 - Writing Techniques
 - Figurative and Descriptive Language
 - Literary and Poetic Devices
-

171-180Grade 2,
beginning of year**Concepts building on topics from prior RIT bands:**

address (abbreviate)	error	prepositions
apostrophe	essay	proper noun*
audience	fiction	punctuate
book title*	fictional	punctuation
collective noun	logical order	restate
comma	main idea	sequence
command	misspelled	short story
common noun	mistake	shorten words to make
connect	narrative	contractions
conjunctions	organize	steps
contraction	paragraph	support
description	personal title*#	supporting details
details	phrase	surprise
directions	possessive	topic sentence

*capitalize, #abbreviate

Spelling

- Compound Words;
- Patterns;
- Plurals;

Initials and Abbreviations:

a.m. / p.m.	compound	patterns
abbreviate	foot#	shorten
abbreviation*	holidays*	time#
centimeter#	inch#	vowels
combine	measurements#	word list

*capitalize, #abbreviate

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE

Additional Learning Continuum topics:

- Adverbs
 - Introductions / Transitions / Conclusions
 - Multiple Punctuation Rules
 - Organizing Writing
 - Sentence Structure
 - Writing Forms—Genres
 - Writing Techniques
 - Literary Elements
 - Voice, Style, Tone, and Mood
-

LANGUAGE USAGE

RIT BAND

CONCEPTS TO INTRODUCE

+ NORMS

181-190

Grade 2,
mid to end of yearGrade 3,
beginning of year

Concepts building on topics from prior RIT bands:

abbreviated title / suffixes*	graphic organizer	prewriting strategy
address	greeting*	publish
appropriate	heading	purpose
brainstorm	helping verb	reinforce
caret	image	revise
clear	indent	revision
closing	inform	rough draft
closing*#	informative	run-on sentence
compound sentence	introduction	salutation*#
compound subject	invitation	semicolon
concluding sentence	irregular verb	senses
conclusion	items in a series#	signature#
coordinating conjunction	linking verb	singular
date#	margin	singular noun
double consonant	opening	song and poem titles*
edit	organizations*	stanza
emotion	personal titles and positions*	strengthen
entertain	personal writing	suffix
explanation	poetry	summarize
formal essay	predicate	task
format	prefix	tone
friendly letter	prewrite	topic sentence
geographic location*		transition
		writing process

*capitalize, #comma

Additional Learning Continuum topics:

- Capitalization—Quotations and Dialogue
- Frequently Confused Words
- Quotation Marks and Dialogue

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**191-200**

Grade 3,
mid to end of year
Grade 4,
beginning of year

Concepts building on topics from prior RIT bands:

argue	genre	precise
book report	grammar	proofread
cause and effect	informational writing	quotation
clarify	informative essay	quotation marks
clarity	introduction	resume
comma rules	literary device	review
compare and contrast	memo	sensory language
contrasting	modifiers	simile
conversation#	modify	slang
convince	mood	style
creative writing	outline	steps in a process
descriptive language	pamphlet	subject-verb agreement
descriptive writing	parody	thesis statement
dialogue	persuade	viewpoint
direct address#	persuasive	visualize
direct quote	poetic device	voice
drama	point of view	
future tense		

#comma

Brackets, Dashes, Hyphens, Ellipses, Parentheses;**Underlining:**

book title*	compound word	hyphen
colon	divided quotations#	underline

*underline, #comma

Additional Learning Continuum topics:

- Clauses
 - Writing Techniques–Rhetorical Strategies
 - Writing Techniques–Argument, Counterargument
-

LANGUAGE USAGE

RIT BAND

CONCEPTS TO INTRODUCE

+ NORMS

201-210

Grade 4,
mid to end of yearGrade 5,
beginning to mid-year

Concepts building on topics from prior RIT bands:

allusion	fragment	parentheses
argumentative	free-write	periodical
argumentative essay	humor	plural possessive
article titles*	imperative sentence	poem titles*
autobiography	interrogative sentence	process essay
chronological order	introductory phrase or clause#	satire
clause	introductory word#	short story titles*
cluster	introductory sentence	simple sentence
comma splice	literary analysis	singular possessive
declarative sentence	language	song titles*
direct quotation	literary element	symbolism
exclamatory sentence	movie titles#	syntax
expository writing	multiple viewpoints	word choice
figurative language	mystery	play titles#
fluency		
formal language		

*quotation marks, #comma

Modifiers:

antecedent	dependent clause	prepositional phrase
complex sentence	direct object	verb phrase
compound-complex sentence	indirect object	

Research Questions, Sources, Thesis Statement:

evaluate sources	plagiarize	research question
evidence	primary and secondary sources	visual support
plagiarism		

Additional Learning Continuum topics:

- Colons, Semicolons
- Writing Techniques—Point of View

LANGUAGE USAGE

RIT BAND

CONCEPTS TO INTRODUCE

+ NORMS

211-220

Grade 5,
end of yearGrades 6 to 10,
beginning to end of year

Concepts building on topics from prior RIT bands:

adjective clause	imagery	past progressive
adjective phrase	independent clause	persuasive argument
adverb clause	irony	positive
analyze	irregular comparative	possessive pronoun
application	irregular spelling patterns	present participle
comparative	limerick	present perfect
consistency of verb tense	main clause	professional title
content-specific vocabulary	maintain	relative clause
consistent voice/tone	metaphor	rhetorical question
counterargument	misplaced modifier	shift in verb tense
dangling modifier	movie titles*	structure
demonstrative	noun clause	subjective pronoun
develop character	objective pronoun	subordinate clause
future perfect	onomatopoeia	superlative
how-to essay	organization	verse
hyperbole	parallel	
idiom	participle	
	past perfect	

*underline

Additional Learning Continuum topic:

- Parallelism

221-230

Grade 11,
beginning to end of year

Concepts building on topics from prior RIT bands:

active voice	dash	organizational strategy
allegory	epic poem	predicate noun
alliteration	foreshadowing	pronoun-antecedent
appositive#	formal style	agreement
appropriate tone	infinitive	rhyme scheme
conjunctive adverb	literary response	tragedy
consistency of verb voice		

*underline,
#punctuate/abbreviate

LANGUAGE USAGE

RIT BAND

+ NORMS

CONCEPTS TO INTRODUCE**231-240****Concepts building on topics from prior RIT bands:**

anticipate	gerund	nonrestrictive phrase or clause*
colloquialism	indicative mood	reflexive pronoun
complex list#	italics	single quotation marks
ellipsis	nominative pronoun	supporting evidence

*comma, #semicolon
