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**Fifth Grade**


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**Math**


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**Power Verbs**


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**Number, Number Sense and Operations Standard**

Compare	Generate	Recognize	Use
Estimate	Identify	Represent	
Explain	Justify	Round	

**Measurement Standard**

Identify	Compare	Demonstrate	
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**Geometry and Spatial Sense Standard**

Describe	Draw	Label	Understand
Determine	Extend	Predict	Use

**Patterns, Functions and Algebra Standard**

Create	Interpret	Model	
Describe	Justify	Use	

**Data Analysis and Probability Standard**

Compare	Interpret	Modify	Use
Determine	List	Read	
Explain	Make	Select	

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## Fifth Grade

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### *Math*

#### Key Terms and Concepts

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##### Number, Number Sense and Operations Standard

addition of decimals	identity property	ratio
associative property	inverse property	round decimals to a given place value
common denominators	like decimals	round fractions to the nearest half
commutative property	like denominators	square roots
distributive property	mixed numbers	subtraction of decimals
equivalence	models	unlike decimals
equivalent forms of decimals	number line	unlike denominators
equivalent forms of fractions	order of operations	use of parentheses
equivalent forms of percents	part-to-part	whole numbers
forms of “one”	part-to-whole	
	percent as part to whole	
	perfect squares	

##### Measurement Standard

angles	formulas for determining perimeter	rectangles
benchmark angles		rectangular prisms
conversions	formulas for determining volume	square units
coordinate plane	grid	surface area
cubic units	interior	three-dimensional objects
degrees	linear units	triangles
differences	parallelograms	units to measure angles
estimate	paths	volume
faces	points	
formulas for determining area		

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**Fifth Grade**


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**Math**


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**Key Terms and Concepts**


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**Geometry and Spatial Sense Standard**

angle	length	rotation of an angle side
center	line	segment
circles	negative numbers	skew
circumference	parallel	three-dimensional object
congruent figures	perpendicular	triangles
coordinate system	prediction	two-dimensional net
diameter	quadrilaterals	vertex
exterior angle	radius	x values
interior angle	ray	y values

**Patterns, Functions and Algebra Standard**

conclusions	pattern	rate of growth
graphs	predictions	tables
inequalities	quantitative change	variable

**Data Analysis and Probability Standard**

categorical data	experimental/actual results	possible outcomes
circle graphs	frequency tables	predictions
conclusions	interpretations	probability
continuous data	line graphs	range
discrete data	mean	ratios
double bar graphs	median	theoretical probabilities
experimental probabilities	mode	theoretical/expected results
	numerical data	

## **Fifth Grade**

### ***Reading/Writing***

#### **Power Verbs**

#### **Phonemic Awareness, Word Recognition, and Fluency**

Fluency continues to develop past the primary grades.

#### **Acquisition of Vocabulary**

Apply	Determine	Use
Define	Identify	

#### **Reading Process:**

#### **Concepts of Print, Comprehension Strategies and Self-Monitoring Strategies**

Create	List	Predict	Summarize
Establish	Monitor	Select	Use

#### **Reading Applications: Informational, Technical and Persuasive Text**

Analyze	Compare	Explain	Summarize
Clarify	Distinguish	Identify	

#### **Reading Applications: Literary Text**

Describe	Identify	Interpret	Summarize
Explain			

#### **Writing Processes**

Apply	Develop	Organize	Reread
Conduct	Generate	Proofread	Rewrite
Determine	Group	Rearrange	Vary

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## **Fifth Grade**

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### ***Reading/Writing***

#### **Power Verbs**

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##### **Writing Applications**

Produce                      Write

##### **Writing Conventions**

Spell                        Use

##### **Research**

Compare	Define	Identify
Contrast	Generate	Locate

##### **Communication: Oral and Visual**

Adjust	Demonstrate	Identify
Deliver	Discuss	Interpret

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## Fifth Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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#### Phonemic Awareness, Word Recognition, and Fluency

Fluency continues to develop past the primary grades.

#### Acquisition of Vocabulary

abbreviation	example	roots
antonyms	glossary	simile
connotation	homographs	suffix
context clues	homonyms	synonyms
definition	homophones	textual features
definitional footnotes	inflection	thesaurus
definitional sidebars	metaphor	unknown words
denotation	prefix	word origin
dictionary	restatement	

#### Reading Process:

#### Concepts of Print, Comprehension Strategies and Self-Monitoring Strategies

comprehension	justifications	read to interpret
criteria	literal questions	read to perform a task
critical comparisons	looking back	read to solve problems
details	main idea	read to understand
evaluative questions	purposes for reading	reading on
graphic organizers	read for literary experience	scanning
implicit information	read for enjoyment	skimming
independent reading materials	read to enjoy	summarizing
inferences	read to find out	textual examples
inferential questions	read to gain information	textual information

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## Fifth Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### **Reading Applications: Informational, Technical and Persuasive Text**

author's purpose for writing	headings	relevant information
books	index	search engines
cause	information	sequencing
chapter titles	irrelevant information	sources of information
charts	magazines	subheadings
completeness	main idea	supporting details
details	maps	table of contents
diagrams	newspapers	tables
effect	online resources	text features
fact	online tools	writing to entertain
graphs	opinion	writing to explain
	parts of books	writing to inform

##### **Reading Applications: Literary Text**

appeals to the senses	fiction	non-fiction
author's choice of words	figurative language	personification
biographies	future action	plot sequence
chapter books	hyperbole	poetry
character's actions	idioms	point of view
character's motivations	implied themes	setting
character's thoughts	literary forms and genres	similes
character's words	literary works	speaker
characteristics	main incidents	stated themes
drama	metaphor	suggests mood

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**Fifth Grade**


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***Reading/Writing*****Key Terms and Concepts****Writing Processes**

audience	format	run-ons
author's chair	fragments	simple sentence structures
background reading	grammar	spelling
body	interviews	stated central idea
capitalization	introduction	style
checklist	language	summary of important ideas and details
clarity	maps	surveys
clear main idea	organizational strategies	thesaurus
closing statement	paragraphs	topic sentences
complex sentence structures	publication	transitional words
compound sentence structures	punctuation	Venn diagrams
diagrams	purpose	webs
dictionary	reference materials	writer's circle
edit	resolution of plot	
feedback	resources	
	rough outlines	
	rubric	

**Writing Applications**

business letter format	facts	poems
cause-effect	informal writings (journals, notes, and poems)	responses
characters	informational essays	sensory details
comparison-contrast	letters	setting
consistent point of view	narratives	specific textual evidence
details	novels	stories
dialogue		
examples		



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**Fifth Grade**


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***Reading/Writing*****Key Terms and Concepts****Writing Conventions**

adverbs	interjections	pronouns
apostrophes	nominative case	quotation marks
capitalization	pronouns	relative pronouns
commas	nouns	roots
conjunctions	objective case pronouns	suffixes
contractions	parts of speech	verbs (regular and irregular)
end marks	prefixes	
high-frequency words	prepositional phrases	
indefinite pronouns	prepositions	

**Research**

charts	online databases	sources
electronic resources	outlines	tables
graphic organizers	paraphrase	themes
Internet-based resources	plagiarism	
notes	school library catalogs	

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**Fifth Grade**


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***Reading/Writing*****Key Terms and Concepts****Communication: Oral and Visual**

active listening	expository	problem-solution
strategies	facts	purpose
anecdotes	formal	quotations
appropriate visual	ideas	relevant
materials	illustrations	research
asking focused questions	informal	responding to cues
audience	information	sources
body	informational	speaker's purpose
cause-effect	presentations	statistics
charts	introduction	stories
clear diction	logical sequence	tempo
common organizational	main idea	to entertain
structures	making visual contact	to inform
compare-contrast	opinions	to persuade
conclusion	oral presentations	tone
descriptive presentation	personal experience	visual media
details	persuasive presentation	volume
diagrams	pitch	
events	position	
evidence	presentations	
examples		

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## **Fifth Grade**

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### **Science**

#### **Power Verbs**

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##### **Earth and Space Sciences**

Describe                      Explain                      Investigate

##### **Life Sciences**

Analyze                      Summarize                      Support                      Trace

##### **Physical Sciences**

Define                      Trace

##### **Science and Technology**

Investigate                      Revise

##### **Scientific Inquiry**

Evaluate                      Explain                      Identify                      Select

##### **Scientific Ways of Knowing**

Develop                      Keep                      Summarize

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**Fifth Grade**


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**Science**


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**Key Terms and Concepts**


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**Earth and Space Sciences**

air	moon	spherical planet
day	night	stars
Earth	non-renewable resources	sun
Earth's rotation	orbit	tilted axis
Earth's surface	recycling	trees
elliptical orbit	reducing	wildlife
extended indefinitely	renewable resources	
fresh water	reusing	

**Life Sciences**

beaver ponds	earthworm burrows	organisms
beneficial	ecosystems	organization
carnivores	food chains	patterns of behavior
carrying capacity	food webs	photosynthesis
chemical energy	grasshoppers	physical characteristics
cutting trees	herbivores	planting trees
decomposers	introducing a new	plants
detrimental	species	producers
different	neutral	transfer of energy
distinct	omnivores	waste disposal

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## Fifth Grade

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### Science

#### Key Terms and Concepts

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##### Physical Sciences

absorption	light	refraction
bending	magnetic forces	sound
conduction	pitch of a sound	thermal energy
electric circuit	rate of vibration	transmission
electrical current	reflection	

##### Science and Technology

design	peer review
negative impact	positive impact

##### Scientific Inquiry

balance	magnifier	spring scale
collect data	measurements	thermometer
communicate findings	microscope	timer
conduct investigation	observations	tools
discrepancies	potential hazards	unexpected differences
errors in observations	precautions	unrealized differences
evidence	simple experiment	variables

##### Scientific Ways of Knowing

conclusions	defend findings	ongoing investigations
consistent results	observations	support findings
controlled experiments		

**Fifth Grade**

***Social Studies***

**Power Verbs**

**History**

Create	Describe	Explain
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**People in Societies**

Compare	Explain
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**Geography**

Analyze	Construct	Explain
Compare	Describe	Use

**Economics**

Compare	Explain
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**Government**

Explain

**Citizenship Rights and Responsibilities**

Explain

**Social Studies Skills and Methods**

Analyze	Consider	Identify	Organize
Communicate	Draw inferences	Locate	Read
Compare	Evaluate	Obtain	

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## **Fifth Grade**

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### ***Social Studies***

#### **Key Terms and Concepts**

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##### **History**

American Indians	food	settlement
architecture	French colonization	Spanish colonization
colonized	industrialization	time lines
cultural patterns	language	traditions
English colonization	lasting effects	transportation
expansion	North America	
explored	possible relationships	

##### **People in Societies**

African-Americans	food	religion
American Indians	immigrants	reservation system
artistic expressions	immigration	shelter
clothing	Indian reservations	slavery
cultural traditions	language	
diverse groups	North America	

##### **Geography**

absolute location	environmental issues	highway systems
climates	European influence	human activities
coal	fertile soil	human changes
conflict	fifty states of the United States	immigration
consequences	flow resources	introduction of new species
cooperation	forests	irrigation
culture	Great Lakes	landforms
Earth-sun relationships	Great Lakes navigation	latitude
economic characteristics		

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## Fifth Grade

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### ***Social Studies***

#### **Key Terms and Concepts**

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##### **Geography** (continued)

longitude	oil	running water
maps of colonization	physical environment	St. Lawrence River
maps of exploration	population	thematic maps
mining	renewable resources	three largest countries of North America
Mississippi River	Rio Grande	trade
nonrenewable resources	Rocky and Appalachian mountain systems	vegetation
North America		

##### **Economics**

allocation methods	fundamental economic questions	rationing
better customer service	higher product prices	relationship
capital goods	higher product quality	scarce goods
command	how to produce	scarce services
competitive market	interdependent	sellers
demand	lottery	sharing equally
division of labor	price	specialization
education	producers	supply
first come, first served	productive capacity	what to produce
for whom to produce		

##### **Government**

American democracy	decisions of the government	essential characteristics
apply laws	Declaration of Independence	executive branch
citizens	elected representatives	guaranteed
Congress	enforce laws	influence
Constitution		interpret laws
		judicial branch



## **Fifth Grade**

### ***Social Studies***

#### **Key Terms and Concepts**

##### **Government** (continued)

legislative branch	responsibilities	source of the
limited by law	responsibility to vote	government's
pass laws	right to vote	authority
people	rights of individuals	Supreme Court
powers of government		three branches of
president		government

##### **Citizenship Rights and Responsibilities**

acquire U.S. citizenship	obeying laws	selective service
birth	obligations	serving on juries
First Amendment	paying taxes	significance
freedom of religion	protected	upholding
freedom of speech	right of petition	
freedom of the press	and assembly	
naturalization	rights	

##### **Social Studies Skills and Methods**

accuracy of fact	gathering information	problem-solving/ decision-making process
advantages of options	identifying a problem	
author	implementing a solution	purpose
author's perspective	inferences	related articles
choosing a solution	key ideas	relevant information
considering options	key words	reliability
credentials of the source	line graphs	secondary sources
effectiveness of a solution	listing options	summarize
critically	paraphrase	tables
cross-references	points of agreement	
disadvantages of options	points of disagreement	
	primary sources	