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**Sixth Grade**


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**Math**


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**Power Verbs**


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**Number, Number Sense and Operations Standard**

Analyze	Develop	Perform	Solve
Apply	Estimate	Recognize	Use
Decompose	Explain	Recompose	
Describe	Find	Represent	
Determine	Give	Simplify	

**Measurement Standard**

Describe	Develop	Measure	Use
Determine	Estimate	Understand	

**Geometry and Spatial Sense Standard**

Build	Describe	Identify	Use
Classify	Draw	Predict	

**Patterns, Functions and Algebra Standard**

Analyze	Generate	Produce	Solve
Describe	Identify	Recognize	Use
Evaluate	Interpret	Represent	

**Data Analysis and Probability Standard**

Compare	Describe	Make	Use
Construct	Design	Read	
Create	Interpret	Understand	

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## Sixth Grade

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### *Math*

#### Key Terms and Concepts

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

algorithms	integers	proportional reasoning
composite numbers	least common multiple	quotient
cubed	multiplication	ratio
decimals	numerical expressions	rational number
dividend	order of operations	reasonable solutions
division	part-to-part	second power
divisor	part-to-whole	squared
exponents	percent	third power
factors	percent markdown	whole numbers
fractions	prime factorization	whole-to-part
greatest common factor	proportion	

##### Measurement Standard

area	parallelograms	surface
attributes	perimeter	surface area
circles	prisms	triangles
circumference	quadrilaterals	two-dimensional shape
cylinders	rectangular prisms	volume
diameter	sectors	
heights	side lengths	

##### Geometry and Spatial Sense Standard

acute	diagonal	isosceles
altitude	dilations	multiple classification
congruent angles	equilateral	obtuse
congruent sides	face	parallel
corresponding	interior angle measures	parallel sides
cubes	intersecting	perpendicular

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## Sixth Grade

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### *Math*

#### Key Terms and Concepts

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##### **Geometry and Spatial Sense Standard** (continued)

perpendicular sides	relationships	translations
planes	right scalene triangle	triangles
projection sets	rotations	two-dimensional
proportional relationships	three-dimensional geometric figures	geometric figures
reflections	transformations	vertex

##### **Patterns, Functions and Algebra Standard**

algebraic expressions	geometric functions	numerical rules
associative property	geometric patterns	patterns
change	geometric rules	simple linear equations
commutative property	graphs	tables
constant rates of change	inequalities	values
distributive property	numerical functions	variables
equivalent forms	numerical patterns	varying rates of change

##### **Data Analysis and Probability Standard**

bar graph	line graphs	mode
circle graph	logical inferences	number of modes
data	mean	outliers
frequency distribution	measures of center	range
frequency table	measures of spread	set of data
histogram	median	statistical data
level of symmetry	middle of data	theoretical probability

## Sixth Grade

### *Reading/Writing*

#### **Power Verbs**

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

Fluency continues to develop past the primary grades.

#### **Acquisition of Vocabulary**

Apply	Determine	Interpret
Define	Identify	Recognize

#### **Reading Process:**

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

Establish	List	Predict	Summarize
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#### **Reading Applications: Informational, Technical and Persuasive Text**

Analyze	Contrast	Summarize
Compare	Identify	

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

Analyze	Distinguish	Explain	Identify
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#### **Writing Processes**

Apply	Develop	Group	Rearrange
Conduct	Establish	Organize	Vary
Determine	Generate	Proofread	

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## Sixth Grade

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### *Reading/Writing*

#### **Power Verbs**

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##### **Writing Applications**

Produce                      Write

##### **Writing Conventions**

Spell                      Use

##### **Research**

Compare                      Contrast                      Generate                      Identify

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

Adjust                      Demonstrate                      Identify                      Summarize  
Deliver                      Discuss                      Interpret

## Sixth Grade

### *Reading/Writing*

#### Key Terms and Concepts

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

Fluency continues to develop past the primary grades.

#### **Acquisition of Vocabulary**

acronym	denotation	simile
analogy	dictionary	suffix
antonyms	example	symbol
connotation	glossary	synonyms
context clues	metaphor	textual features
definition	prefix	thesaurus
definitional footnotes	restatement	unknown words
definitional sidebars	roots	word origin

#### **Reading Process:**

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

author's style	inferential questions	reading on
comparisons	literal content	references
contradictions	literal questions	scanning
details	looking back	skimming
evaluative questions	note taking	summarizing
gaps	purposes for reading	synthesizing questions
graphic organizers	read to enjoy	text
hypothesize	read to find out	visual media
implied content	read to interpret	
independent reading materials	read to solve problems.	
	read to understand	

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## Sixth Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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

accuracy of details	different sources of information	search engines
adequacy of details	fact and opinion	subheading
appendix	graphs	summary
author's argument	headings	table of contents
author's purpose for writing	index	tables
books	magazines	viewpoint
cause and effect	maps	writing to entertain
chapter titles	newspapers	writing to explain
charts	online resources	writing to inform
cutaways	online tools	writing to persuade
diagrams	scope	

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

autobiographies	literary genres	poetry
biographies	main events	point of view
characters	meaning	setting
culture	minor events	symbols
drama	mood	syntax
era	myths	themes
fiction	narrator	third point of view
figurative language	non-fiction	voice
first point of view	omniscient point of view	word choice
incident	patterns	
literary forms	plot	

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## Sixth Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Writing Processes

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

##### Writing Applications

business letter format	informal writings	poems
characters	(journals, notes, and poems)	point of view
critique	informational essays	position
details	letters	purpose
dialogue	narratives	responses
examples	novels	sensory details
facts	persuasive essays	setting
focus	plot	stories

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**Sixth Grade**


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**Reading/Writing**


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**Key Terms and Concepts**


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**Writing Conventions**

adverbs	high-frequency words	nouns	quotation marks
apostrophes		objective case	relative pronouns
brackets	hyphens	pronouns	
capitalization	indefinite pronouns	parts of speech	roots
collective nouns		perfect tenses	semi-colons
commas	interjection	possessive pronouns	subject-verb agreement
compound subjects	intransitive linking	prefixes	suffixes
conjunctions	misspelled words	preposition	transitive
contractions		prepositional phrases	verbs
dashes	nominative case pronouns	pronouns	
end marks			

**Research**

bibliography	graphic organizers	open-ended questions	quotations
charts			secondary source
coverage	Internet-based resources	outlines	
electronic resources	language notes	paraphrase	sources
elements of validity	online databases	points of view	tables
		primary source	works cited
		publication date	

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## Sixth Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Communication: Oral and Visual

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

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**Sixth Grade**

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**Science****Power Verbs**

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**Earth and Space Sciences**

Describe                      Explain                      Identify

**Life Sciences**

Describe                      Explain                      Identify                      Recognize

**Physical Sciences**

Describe                      Explain

**Science and Technology**

Describe                      Design                      Explain

**Scientific Inquiry**

Choose                      Distinguish                      Explain

**Scientific Ways of Knowing**

Describe                      Identify                      Research

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## Sixth Grade

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### Science

#### Key Terms and Concepts

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##### Earth and Space Sciences

characteristic properties	igneous	rock cycle
color	metamorphic rocks	sedimentary
distinct properties	minerals	texture

##### Life Sciences

animal cells	inherited	plant cells
asexual reproduction	inherited traits	reproduction
basic functions	interact	sexual reproduction
cell wall	learned likenesses	single parent
cells	multicellular organisms	specialized cells
chloroplasts	offspring	specialized functions
egg	organ systems	sperm
eye color	organisms	tissues
flower color	organs	traits
identical	parent	

##### Physical Sciences

burning	managed	rusting
chemical changes	natural gas	shape
chemical properties	new substances	size
coal	nonrenewable energy	state
different masses	resources	sun
different properties	nonrenewable resources	trees
electric energy	oil	water
energy	physical change	wind
equal volumes	renew	
fossil fuels	renewable energy	
	resources	

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## Sixth Grade

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### Science

#### Key Terms and Concepts

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##### Science and Technology

automation	interact	robots
build a product	limits of cost and time	social
constraint	for design and	supply of materials
create a solution	production	undesirable
desirable consequences	manual labor	consequences
environmental	manufactured	
environmental effects	manufacturing	
highly skilled jobs	quality of life	

##### Scientific Inquiry

appropriate tools	observations	scientific investigations
fixed procedures	procedures	single example
inference	safety procedures	

##### Scientific Ways of Knowing

accurate records	hypotheses	thorough records
clear records	pursuit of scientific	
development of science	knowledge	
everyday settings	scientific thinking	

**Sixth Grade**

***Social Studies***

**Power Verbs**

**History**

Arrange	Construct	Interpret
Compare	Describe	

**People in Societies**

Compare	Explain
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**Geography**

Describe	Explain	Identify	Place
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**Economics**

Distinguish	Describe	Explain	Identify
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**Government**

Describe	Explain
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**Citizenship Rights and Responsibilities**

Compare	Explain
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**Social Studies Skills and Methods**

Analyze	Communicate	Interpret	Organize
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## Sixth Grade

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### *Social Studies*

#### Key Terms and Concepts

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##### History

1000 B.C.	governance	organizing societies
A.D.	government	Paleolithic Era
agriculture	Huang Ho River valley	political characteristics of river civilizations
Aztec civilization	humankind	relationships between events
B.C.	hunting and gathering	religion
B.C.E.	Inca civilization	revolution of agriculture
C.E.	Indus River valley	scientific contributions
cultural contributions	list of events	social characteristics of river civilizations
cultural development	location	Tigris River valley
domestication of plants and animals	Maya civilization	tool making
economic characteristics of river civilizations	Mesopotamia	use of fire
Egypt	Mississippian civilization	
Euphrates River valley	multiple-tier time line	
	Nile River valley	

##### People in Societies

belief systems	factors that foster conflict among countries	historic relationships
beliefs	factors that foster cooperation among countries	Islam
Buddhism	founding leaders	Judaism
Christianity	gender roles	language
class structure	geographic origins	religion
customs	Hinduism	teachings
economic interests		traditions
		types of government
		world religions

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## Sixth Grade

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### *Social Studies*

#### Key Terms and Concepts

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##### **Geography**

agriculture	fishing	physical regions
bodies of water	graphs	political conflicts
charts	human activities	poverty/economic opportunity
cities	human migration	primary geographic causes for world trade
climate	human regions	push and pull factors
communication	human settlements	seismic activity
continents	landforms	technology
coordinates	latitude	transportation
countries	longitude	uneven distribution of natural resources
cultural ties	manufacturing	urban growth
dam building	maps	urbanization
deforestation	migrate	vegetation
desertification	mining	weathering
deserts	modify	world map
distribution patterns	mountain ranges	
economic activities	oppression/freedom	
energy production/usage	patterns of characteristics that define regions	
environment		
environmental factors		

##### **Economics**

availability	interdependent	public sector
consumption	lowest opportunity cost	relative scarcity
entrepreneurship	market clearing price	services
exported	private sector	trade-offs
goods	production	
imported	productive resources	

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## Sixth Grade

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### *Social Studies*

#### Key Terms and Concepts

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##### **Government**

claim sovereignty	monarchies	reasons for the creation
democracies	property	of governments
dictatorships	protecting lives	states
diplomacy	providing services that	territory
international meetings	individuals cannot	treaties
and exchanges	provide for	United Nations
liberty	themselves	
military conflict	provinces	

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

citizens	responsibilities of	rights of citizens
political process	citizens	systems of government

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

active listening	essential vocabulary	primary sources
almanacs	evidence	research project
bar graphs	feedback	roles within the group
bibliography	flow charts	secondary sources
circle graphs	gazetteers	summarize
communicate in writing	graphic organizers	support a position
communicate orally	group goals	tables
constructive manner	make generalizations	trade books
contributions of others	outlines	video tape
draw conclusions	periodicals	
electronic sources	pictographs	