

# Sixth Grade Curriculum

## Mathematics

- Review Basic Operations
- Mastery of Fractions and Operation with Fractions
- Operations with Decimals
- Geometry
- Measurement, Perimeter, Volume
- Ratio and Proportional Relationships
- Introduction to Expressions and Equations
- Introductions to Statistics and probability Intro to Exponents

## Writing

- The Writing Process
- Sentence, Paragraph, and Composition Structure and Style
- Autobiographical Writing
- Short Story Writing
- Descriptive Writing
- Persuasive Writing
- Compare and Contrast
- Cause and Effect
- How-To Essays
- Research Reports
- Response to Literature
- Writing for Assessment

## Grammar, Usage, and Mechanics

- Nouns
- Pronouns
- Adjectives
- Adverbs
- Prepositions
- Conjunctions
- Interjections
- Basic Sentence Parts

- Phrases
- Clauses
- Making Words Agree
- Using Modifiers
- Punctuation Capitalization

## Academic and Workplace Skills

- Speaking
- Listening
- Viewing
- Representing
- Vocabulary and Spelling
- Reading Skills
- Study, Reference, and Test-Taking Skills

## Literature

- *Alice in Wonderland*
- *Tom Sawyer*
- *A Dog of Flanders*
- *The Odyssey*

## Carden Spelling and Vocabulary

- 44 Spelling words per week
- Spelling worksheets taken from the Carden Spelling Book 6
- 10 Vocabulary words per week

## History and Geography

- The Beginning of Human Kind
  - Early People
  - The Beginning of Civilization
- The Ancient Middle East
  - Ancient Mesopotamia
  - Ancient Egypt
  - The Ancient Hebrews and Judaism
- Ancient India
  - The Early Civilizations of India
  - Hinduism

- The Development of Buddhism
- India's Empires and Achievements
- Ancient China
  - The Rise of Civilization in China
  - Chinese Society and Thought
  - Growth of the Chinese Empire
- Ancient Greece
  - The Ancient Greeks
  - Athens and Sparta
  - Greek Religion, Arts, and Learning
  - Greece and Persia
- Ancient Rome
  - The Roman Republic
  - The Roman Empire
  - Christianity
  - Roman Achievements

## Science

- Earth Science
  - Mass, Volume, Density
  - Nature of Science
  - Structure of the Earth and the Universe
  - Evolution of the Planet
  - Weather Patterns
  - Ecology
  - Rocks and Minerals
  - Plate Tectonics (Volcanoes, Earthquakes)
  - The Scientific Method

# Seventh Grade Curriculum

## Mathematics

- Exponents
- Statistics
- Introduction to Algebra
- Geometry
- Mastery of Statistics and Probability
- Mastery of Solving Problems with Expressions and Equations
- Operations with Exponents

## Writing

- The Writing Process
- Sentence, Paragraph, and Composition Structure and Style
- Autobiographical Writing
- Short Story Writing
- Descriptive Writing
- Persuasive Writing
- Compare and Contrast
- Cause and Effect
- How-To Essays
- Research Reports
- Response to Literature
- Writing for Assessment

## Grammar, Usage and Mechanics

- Nouns
- Pronouns
- Adjectives
- Adverbs
- Prepositions
- Conjunctions
- Interjections
- Basic Sentence Parts
- Phrases
- Clauses
- Making Words Agree
- Using Modifiers

- Punctuation Capitalization

## Academic and Workplace Skills

- Speaking
- Listening
- Viewing
- Representing
- Vocabulary and Spelling
- Reading Skills
- Study, Reference, and Test-Taking Skills

## Literature

- *Treasure Island*
- *The Last of the Mohicans*
- *The Story of Aeneid*
- *1984*

## Carden Spelling and Vocabulary

- 48 Spelling words per week
- Spelling worksheets taken from the Carden Spelling Book 7
- 10 Vocabulary words per week

## History

- Rome and Byzantium
  - The Roman Empire
  - The Byzantine Empire
- Islamic Civilization
  - Islam
  - The Islamic World
- Civilizations in Sub-Saharan Africa
  - The Rise of West African Empires
  - West African Civilization
- Civilizations in the Americas
  - The Mayas
  - The Incas
  - The Aztecs
- Civilizations in East Asia

- China's Golden Age
- China Under the Mongols and the Ming
- The Rise of Japan
- Japan's Golden Age
  
- Europe in the Middle Ages
  - A New Civilization in Europe
  - Medieval Conflicts and Crusades
  - A Changing Medieval World
  
- Early Modern Europe
  - The Renaissance
  - The Reformation
  - The Age of Exploration
  - Revolutions in Thought

## Geography

- Five Themes of Geography
- Political Geography of Entire World

## Science

- Biology
- Moera, Protists, Fungi
- Five Kingdoms of Life
- Cells and Cell Theory
- Heredity, Genetics and Evolution
- Human Body, Body Systems and Dissection
- The Scientific Method

# Eighth Grade Curriculum

## Algebra

- Equations
- Inequalities
- Polynomials
- Factoring
- Graphing
- Systems of Equations
- Rational Expressions
- Radicals
- Functions
- Quadratic Equation
- Multi-step Equations
- Geometry (Pythagorean Theorem)

## Writing

- The Writing Process
- Sentence, Paragraph, and Composition Structure and Style
- Autobiographical Writing
- Short Story Writing
- Descriptive Writing
- Persuasive Writing
- Compare and Contrast
- Cause and Effect
- How-To Essays
- Research Reports
- Response to Literature
- Writing for Assessment

## Grammar, Usage, and Mechanics

- Nouns
- Pronouns
- Adjectives
- Adverbs
- Prepositions
- Conjunctions
- Interjections
- Basic Sentence Parts

- Phrases
- Clauses
- Making Words Agree
- Using Modifiers
- Punctuation Capitalization

## Academic and Workplace Skills

- Speaking
- Listening
- Viewing
- Representing
- Vocabulary and Spelling
- Reading Skills
- Study, Reference, and Test-Taking Skills

## Literature

- *Huckleberry Finn*
- *Julius Caesar*
- *King Arthur*

## Carden Spelling and Vocabulary

- 50 Spelling words per week
- Spelling worksheets taken from the Carden Spelling Book 8
- About 15-16 Vocabulary words per week

## History and Geography

- The Revolutionary War
- The Constitution
- The Civil War
- Cultural Geography

Exploring the people of the world and their national identities  
Mapping and map reading skills will be emphasized

## Science

- The Scientific Method
- Physical Science
  - Properties of Matter
  - Physical and Chemical Change
  - The Periodic Table
  - Electricity and Magnetism
  - Energy