

## Grade 7 Curriculum

### Mathematics

Text – Big Ideas Math, Course 2

- Identifying/Comparing Integers
- Operations with Integers
- Operations with Rational Numbers
- Graphing Solutions to Inequalities
- Identifying/Comparing Rational Numbers
- Solving Ratios/Rates/Proportions
- Applying Percent to Discounts & Markups
- Finding Volume & Surface Area of Prisms
- Finding Circumferences & Area of Circles
- Identifying Patterns & Rules
- Graphing Linear Equations
- Displaying & Analyzing Data Using Graphs
- Probability of Independent & Dependent Events
- Real World Problem Solving
- Combining Like Terms
- Distributing
- Solving One Step Equations & Inequalities
- Solving Two Step Equations & Inequalities
- Finding Missing Measures of Geometric Shapes Using Proportions
- Applying Scale Measurements
- Geometry Concepts & Pythagorean Theorem

### Language Arts

Texts – Prentice Hall: *Prentice Hall Literature*; Holt, Rinehart & Winston: *Elements of Language*; Sadlier-Oxford: *Vocabulary Workshop*; a few selected novels

#### **Writing:**

- Sentence & Paragraph Formation
- Using the Writing Process
- Outlining
- Book Reports
- Theme Papers

#### **Literature:**

- Themes
  - Drama
  - Short Stories
  - Nonfiction
  - Myths/Folk Tales
  - Fiction
  - Novels
  - Poetry
  - Research

#### **Vocabulary:**

- Weekly Lessons

### Language Arts (cont'd)

#### **Grammar:**

- Parts of a Sentence
- Mechanics
- Parts of Speech
- Usage
- Oral Skills

### Science

Text – Pearson: *Life Science*

- Cells – Structure, Function, & Reproduction
- Classification
- Heredity
- Human Body Systems & Interrelationships
  - Skeletal
  - Muscular
  - Digestive
  - Circulatory
  - Respiratory
  - Excretory
  - Lymphatic
  - Nervous
  - Reproductive
  - Fighting Disease/Disease Transmission
- Plants
  - Seedless & Seed Plants
  - Plant Processes
- Animal Groups – Vertebrate Animals
- Ecology
- Genetics/DNA
- Adaptation & Survival

### Health

Text – Harcourt Brace: *Being Healthy*

- Disease – Infectious & Non-Infectious
- Effects of Drugs & Alcohol on Choices/Behavior
- Stress & Illness
- Family Health
- Health Topics & Communication

### U.S. History

Text – Pearson: *American History*

- Articles of Confederation & the US Constitution
- Presidency of Washington & Adams
- Jefferson Era/War of 1812
- Presidency of Andrew Jackson
- Manifest Destiny & Westward Expansion
- Pre-Civil War Society
- Sectionalism & the Civil War



## **World Geography**

Text – Pearson: *My World - World Geography*

- Identifying Characteristics of Maps and Different Uses of Maps
- People and Culture
- Environment
- Economics
- North & South America
- Antarctica

## **Religion**

Texts – Loyola Press: *Christ Our Life*; Benziger: *Family Life*

- Scripture: New Testament (Focus on the Life and Gospel Teachings of Jesus)
- Church Doctrine
- Liturgy & Sacraments
- Morality & the Family Life Program
- Catholic Social Teaching
- Service/Christian Witness (Term Projects)
- Prayer
- Sunday Scripture

## **Specials**

- Art
- Music
- STREAM
- Technology
- Library
- Spanish

Text – McDougal: *Avancemos*

- Engage in Conversation
- Provide & Obtain Information
- Understand Basic Grammar
- Use Present Tense of Verbs
- Develop Listening Skills
- Develop & Practice Writing & Reading Skills
- Describe Basic Spanish Traditions
- Physical Education