Grade 7 Curriculum

Mathematics (3 levels)

Text – All Things Algebra

- 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 1- and 2-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*; Loyola Press: *Voyages in English*; Sadlier-Oxford: *Vocabulary Workshop*; selected novels

Writing:

- Sentence & Paragraph Formation
- Using the Writing Process
- Essays – Expository, Research
- Creative Writing
- Book Analysis

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 – Saavas: *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
- Kidshealth.org

U.S. History

Text – Pearson: *American History*

- 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

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Grade 7 Curriculum (Cont.)

World Geography

Text – Pearson: *My World Interactive*

- Identifying Characteristics of Maps and Different Uses of Maps
- People and Culture
- Environment
- Economics
- 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

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

Specials

- Art
- Music
- Library
- Physical Education
- STREAM/Technology

Supplementary Publications & Subscriptions

- Friendzy Biblical SEL Program
- Brain Pop
- Discovery Ed
- IXL
- EdPuzzle
- Larson: Big Ideas Math