**Grade Seven Curriculum**

Math – Regular Level

* Fractions/decimals, all operations
* Data analysis, statistics
  + Averages, plots, graphs
* Number patterns
  + Prime factorization
  + GCF, LCM
  + Equivalent fractions
* Integers, all operations
* Graphing in a coordinate plane
* Variable expressions, Equations, inequalities
* Ratios, rates, proportions
* Percents
  + Converting
  + Equations
  + Real world applications
* Geometric concepts
  + Angles, triangles
* Measurement/area
  + Metric system
  + Square roots
  + Pythagorean theorem
  + Quadrilaterals
  + Triangles
  + Circles
  + Volume
* Probability
  + Tree diagrams
  + Counting principle

Math – Accelerated Level

* Variable expressions
* Integers, all operations
* Equations/inequalities
  + One and two step
  + Multi- step
  + Fractions
  + Decimals
* Number patterns, including variables
  + Prime factorization
  + GCF, LCM
  + Equivalent fractions
* Exponents and scientific notation
* Rates, ratios, proportions
* Geometric concepts
  + Similar/congruent figures
  + Scale drawings
* Percents
  + Converting
  + Equations
  + Real world applications
* Linear equations
  + Functions
  + Graphing intercepts
  + Slope-intercept form
  + Parallel and perpendicular lines
  + Function notation systems

Math – Accelerated Level (cont.)

* Linear inequalities-Graphing
* Real numbers
  + Square roots
  + Simplifying
  + Pythagorean Theorem
  + Midpoint
  + Distance formula
* Measurement and area
  + Quadrilaterals
  + Triangles, circles
  + Volume

History

* Colonization
* French and Indian War
* Revolutionary War
* Foundational Documents
  + Declaration of Independence
  + Articles of Confederation
  + Constitution
* Washington and the Setting of Precedents
* Jefferson and the Common Man
* War of 1812
* Jackson and the power of the Presidency
* Industrialization
* Growth of the Nation
* Reform movements
* Slavery and Abolitionism

Religion

* Who is God?
* Truth revealed through Scripture and tradition
* Blessed Trinity
* God our loving father
* In Jesus we meet God, in the Gospels we meet Jesus
* Holy Spirit, helper/ guide
* Who is Jesus?
  + Messiah
  + Promise of salvation
  + Teachings of Jesus
  + Healing sacraments
  + Christ’s life/mission continue in the Church
* How is Jesus Christ alive in the Church today?
  + Sacraments sanctify & build the Church
  + Seven Sacraments
  + Gifts/Fruits of the Holy Spirit
* How does the Church live as the Body of Christ?
  + Live our vocation
  + Members of the Church
  + Catholic social teachings
  + Corporal/spiritual works of mercy
  + Cardinal virtues
  + Our life in prayer
  + Lives of the Saints
  + Traditional Catholic prayer

English

* Subjects and predicates
  + Simple, compound, unusual order, fragments, run-ons
* Nouns
  + Subjects
  + Direct/indirect objects
  + Predicate nouns
  + Plurals
  + Possessives
* Pronouns
  + Subject, object,
  + Possessive
  + Indefinite
* Adjectives
  + Predicate
  + Comparison
  + Possessive,
  + Demonstrative
* Adverbs
  + Comparison
  + Using negatives
* Prepositions
  + Phrases, objects
  + Conjunctions
  + Interjections
* Vocabulary
  + Sadlier Vocabulary Workshop, A and B
  + Unit exercises (choosing the right word, completing sentences vocab in context, synonyms, antonyms)

English (cont.)

* Creative Writing
  + Descriptive 1-3 paragraph essays

Science

* Inquiry process, analysis, and communication
* Reflection and social implications
* Earth systems
  + Solar energy
  + Human consequences
  + Seasons
* Solid Earth
  + Soil and erosion
  + Rock formation
  + Plate tectonics
  + Magnetic field of Earth
* Fluid Earth
  + Atmosphere
  + Weather and climate
  + Water cycle
* Earth in space and time
  + Solar System
  + Planetary motion
  + Geologic time

Literature

* Literature
  + Story elements and effect on plot
  + Identify theme and author’s purpose
  + Make inferences

Literature (cont.)

* + Identify irony, tone, foreshadowing, symbols, and sensory imagery
  + Characterization
  + Cite evidence in discussion and written responses
* Informational Text
  + Identify central idea
  + Find supporting details
  + Determine author’s point of view
  + Compare/contrast through use of different genres
  + Assess validity/bias
  + Cite evidence in discussion and written responses
* Explore Genres
  + Autobiography and biography
  + Drama/teleplay
  + Essay
  + Science fiction
  + Historical fiction
  + Poetry
  + Legends, folklore, myths (with an examination of Greek Mythology
* Supplemental Reading and Comprehension
  + Quarterly independent reading requirement

Literature (cont.)

* + Accelerated Reader quizzes