**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