Grade 7
Curriculum Standards:

RELIGION

Theme

Our faith calls us to listen and respond to the message of Jesus

Focus

- To discover the teachings of Jesus through Christian Scriptures
- To understand and recognize visible signs of God's grace
- To respond to Christ's message with action

LANGUAGE ARTS

Your child will learn to:

Reading

- Determine the meaning of specialized vocabulary and to understand the precise meaning of grade level-appropriate words
- Read a good representation of grade-level-appropriate narrative and expository text (e.g., classic and contemporary literature, magazines, online information).
- Read, analyze, and understand a wide variety of literary genres, and read/listen to analyze others' points of view
- Analyze fiction in terms of plot, theme, character, and setting
- Recognize the methods of character development
- Describe and connect the essential ideas, arguments, and perspectives of the text by using their knowledge of text structure, organization, and purpose
- Determine the adequacy of evidence for an author's conclusion
- Read and respond to historically or culturally significant works of literature that reflect and enhance their studies of history and social science

Writing/Spelling

- Write clear, coherent, and focused essays, exhibiting awareness of the audience and purpose.
- Use all stages of the writing process (e.g., prewriting, revising, editing, publishing and reflecting).
- Write essays that contain formal introductions, supporting evidence, and conclusions.
- Write narrative, expository, persuasive, and descriptive texts of at least 500 to 700 words in each genre.
- Write with a command of standard English conventions appropriate to this grade level.
- Write with increased grammatical knowledge and demonstrate usage
- Identify and use correct punctuation and capitalization

Listening/Speaking

- Demonstrate a command of standard American English and organizational and delivery strategies
- Deliver focused and coherent presentations that convey ideas clearly and related to the background and interest of the audience
- Communicate effectively with peers and adults by speaking clearly with appropriate volume, eye contact, and good posture
- Focus attention on a speaker, listening actively for purpose and meaning
- Demonstrate respect for ideas and opinions of others
- Evaluate content of oral communications
- Participate appropriately in class discussions

MATHEMATICS

Your child will learn to:

Number Sense

- Read, write, and compare rational numbers in scientific notation
- Add, subtract, multiply, divide, and order rational numbers, and take rational numbers to integer powers
- Convert equivalent fractions, decimals, and percents
- Calculate the greatest common factor and least common multiple using prime factorization
- Use exponents, powers, and roots

Algebra and Functions

- Use algebraic terminology, expressions, equations, inequalities, and their graphs to express quantitative relationships
- Interpret and evaluate expressions involving integer powers and simple roots
- Order of operations, formulas, and functions
- Simplify and evaluate expressions that include exponents

Measurement and Geometry

- Choose appropriate units of measure and ratios to convert within the metric and customary systems of measurement to solve problems
- Recognize transformations, rotations, and reflections
- Compute the perimeter, area, and volume of common geometric objects
- Study plane figures, triangles, quadrilaterals, polygons, and circles
- Demonstrate an understanding of congruent geometric figures

Statistics, Data Analysis, and Probability

- Collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set
- Expand their knowledge of experimental and theoretical probability
- Perform mean, mode, median, and range computations

Mathematical Reasoning

- Make decisions about how to approach problems
- Use strategies, skills and concepts in finding solutions
- Determine a solution is complete and move beyond a particular problem by generalizing to other situations

SOCIAL STUDIES

Your child will learn to:

- Explain how major events are related to each other in time
- Construct various timelines of key events, people, and periods of the historical era they are studying
- Use variety of maps and documents to identify physical and cultural features of neighborhoods, cities, states, and countries
- Detect the different historical points of view on historical events and determine the context in which the historical statements were made (the questions asked, sources used, author's perspectives)
- Explain the historical migration of people, expansion and disintegration of empires, and the growth of economic systems
- Analyze the causes and effects of the vast expansion and ultimate disintegration of the Roman Empire
- Analyze and compare the geographic, political, economic, religious, and social structures of civilizations of Islam and China in the Middle Ages, as well as Medieval Europe, Japan, and Meso-American and Andean civilizations
- Analyze the origins, accomplishments, and geographic diffusion of the Renaissance
- Analyze the historical developments of the Reformation, as well as the Scientific Revolution and its lasting effect on religious, political, and cultural institutions
- Analyze political and economic change in the sixteenth, seventeenth, and eighteenth centuries (the Age of Exploration, the Enlightenment, and the Age of Reason)
- Identify and discuss current events
- Organize materials through note taking, outlining and interactive notebook

SCIENCE

Your child will learn to:

- All living organisms are composed of cells that number from just one to many trillions and whose details usually are visible only through a microscope
- A typical cell of any organism contains genetic instructions that specify its traits. Those traits may be modified by environmental influences
- Biological evolution accounts for the diversity of species developed through gradual processes over many generations
- Evidence from rocks allows us to understand the evolution of life on Earth
- The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function
- Physical principles underlie biological structures and functions
- Scientific progress is made by asking meaningful questions and conducting careful investigations