

## Seventh Grade

### Religion

*Students will :*

- Express a basic understanding of Jesus, His life and teachings, and recognize the importance of a personal relationship with Him as their Savior and model for Christian living
- Research God's revealed word with intensity and enthusiasm in order to distinguish a solid Catholic understanding of Scripture from fundamentalist distortions
- Read Scripture and find the encouragement, challenge, and hope needed to bring the good news of Christ to the world
- Express an openness to the Holy Spirit
- Find a deeper knowledge of the working of the Gifts and Fruits of the Holy Spirit in their lives
- Share their time, talent, and treasure in service to the community in response to the Gospel call
- Articulate elements of and witness to their Catholic identity

### **Language Arts**

*Goals :*

- Learn to communicate through writing and speaking.
- Read using a variety of critical thinking skills.
- Learn in-depth literary skills.
- Learn the mechanics of a major research paper.
- Read grade level instructional text
- Develop and apply grade level instructional vocabulary

*Students will :*

- Identify style, symbolism, hyperbole, and irony in literature
- Interpret character development
- Identify indirect object, perfect tense verbs, progressive forms of verbs, active and passive voice, and in-depth types of pronouns
- Write using semi-colons, hyphens, and parentheses
- Research and write on a topic using an outline, notes, and a variety of sources
- Write on a topic using an outline and notes
- Create a simple outline from notes on a topic

- Write a bibliography

## **Math**

*Students will :*

- Solve two-step addition, subtraction, multiplication, and division equations
- Solve equations with powers, square roots, and exponents
- Simplify equations with like terms
- Identify and solve percent, decimal, and fraction equations
- Graph inequalities with one variable
- Write and solve proportions with variables
- Solve prime factorizations with variables
- Analyze consumer percent applications
- Identify percent of change in numbers
- Classify and order real numbers as rational or irrational
- Compute exponential notation
- Identify zero and negative exponents
- Solve problems with scientific notation
- Identify vertical angles and their relationships in polygons
- Analyze the Pythagorean Theorem
- Classify polyhedrons and their parts
- Solve for volume of cones, cylinders, spheres, and prisms
- Measure perimeter of polygons and surface area of cylinders
- Solve for combinations and permutations with probability
- Solve problems by working backwards or by solving a related problem

## **Life Science**

*Students will :*

- *Laboratory*
  - Use a compound microscope and name its parts

- Dissect an amphibian
- *Characteristics of Living Things*
  - Explain how binomial nomenclature is used to classify living things
  - List characteristics of each kingdom and the seven major classification groups
  - State the three basic concepts of cell theory
  - Define mitosis, diffusion, osmosis, and active transport
  - Contrast autotrophs and heterotrophs
- *Nonvascular and Vascular Plants*
  - Explain adaptation of nonvascular plants to life on land
- *Alcohol, Tobacco, and Drugs*
  - List various chemicals contained in cigarette smoke and describe their effects on smokers
  - Identify some commonly abused drugs and the effects the drugs have on the body
- *Human Biology*
  - Classify the four basic types of tissue in the human body
  - Explore further the features and functions of the skeletal, muscular, digestive, circulatory, respiratory, excretory, nervous, and endocrine systems
  - Relate the structures of the heart and blood vessels to their functions
  - Explain what causes the different types of cardiovascular diseases
  - Name important factors in maintaining good health
- *Vertebrates*
  - Identify and compare the general characteristics of warm-blooded and cold-blooded
  - Vertebrates
  - Describe the characteristics of fishes, amphibians, reptiles, and birds
  - Compare monotremes, marsupials, and placental mammals
- *Earth's Biomes*
  - Compare climate and major types of life in the Earth's forest, grassland, desert, and water biomes

## **Social Studies**

*Students will :*

- Describe characteristics of the five themes of geography (Region, Location, Place, Environment, Movement)
- Read, create, interpret different types of charts, maps, tables, diagrams, projections (climographs, physical, political, population density, choropleth)
- Analyze, describe, and identify the landforms, bodies of water, cultures of people, climates, major agricultures, major industries, and political divisions of countries in the following world regions :
  - Canada, U.S., Mexico, Central America, West Indies, Northern South America, Central Andes, Southern Cone, Brazil, British Isles, Scandinavia, Western Europe, Southern Europe, Eastern Europe, former Soviet Union, Japan, Korean Peninsula, China, Southeast Asia, India, Middle East, North Africa, West Africa, Central Africa, East Africa, Southern Africa, Australia, New Zealand, Pacific Islands, and Antarctica

## **Library**

*Students will :*

- Distinguish between primary and secondary source information
- Determine the credibility of information sources, especially those found by using the Internet
- Understand the need to acknowledge the resources used in order to avoid plagiarism
- Engage in guided/monitored Internet searches using a search engine

## **Physical Education**

*Students will :*

- Follow rules and demonstrate good sportsmanship
- Respond to inflammatory situations with mature control
- Demonstrate increased proficiency in locomotor movement skills
- Show balance, force, and flow
- Demonstrate placement accuracy, appropriate force with manipulative objects through striking, swinging, trapping, passing, kicking, throwing, shooting, and rebounding

## **Music**

*Students will :*

- Identify sections, repetitions
- Review ternary form
- Identify rondo; suete
- Identify and perform duple and triple meter
- Identify syncopation
- Identify and perform syncopation, augmentation

- Identify vocal and instrumental tone color
- Improvise simple harmonic accompaniments using standard notation to record musical ideas
- Distinguish musical and cultural characteristics of music from different periods

## **Art**

*Students will :*

- Display clear knowledge of different art forms
- Demonstrate use of more subtle color
- Differentiate between tints and shades of color

## **Computer**

*Students will :*

- Use keyboard with a speed of at least 20 words per minute
- Add page breaks, change margins, and add columns in Microsoft Word
- Use the Webpage options in Microsoft Word
- Utilize graphing capabilities in Microsoft Excel
- Utilize animations in Microsoft Power Point