

# Grade 7

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## Religion

Students will:

- Acquire a familiarity with the culture, historical events, and people of the time of Jesus
- Identify the Gospels and recognize the distinct types of writings found in the New Test.
- Apply Jesus' lessons, told through the parables, to our lives
- Explore the Beatitudes as a guide to values
- Review the sacraments and related symbols
- Take responsibility to imitate Christ, follow the Commandments, avoid sin, and pursue good
- Develop prayer as a dialogue with Jesus and recognize its importance in their lives

## Literature

Students will:

- Engage in a literature based reading program
- Identify a variety of literary genres and styles
- Identify the basic facts and main ideas in a text and use them as the basis for interpretation.
- Identify common literary elements and techniques
- Cite pieces of textual evidence to support analysis of what the text is saying or inferring
- Analyze how particular elements of a story or drama interact
- Analyze how an author develops and contrasts the points of views of different characters
- Analyze author's position and critique ideas
- Identify and analyze patterns of imagery and symbolism
- Interpret mood and tone
- Analyze various genres and purposes such a narrative essays and diaries
- Relate the relevance of the literary experience to personal experience
- Identify and interpret different forms of poetry
- Recognize stanza format, rhyme schemes, and meters on order to enhance understanding of poetry
- Determine a theme or central idea of a text and analyze its development over the course of the text
- Determine the meaning of words, both figuratively and connotatively as they are used in the text
- Compare and contrast a written story to its filmed or multi-media version

## Language Arts

Students will learn:

Sentences:

- Constructing complex sentences
- Recognizing complex, compound, and simple sentences

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## Parts of Speech:

- Nouns
- Verbs
- Pronouns
- Conjunctions
- Phrases

## Punctuation:

- Review of all with an emphasis on editing written pieces

## Composition:

- 3-4 paragraph papers
- Writing forms will include narratives, expository, persuasive, research reports, and business and social letters.
- Poetry – to continue to understand the vocabulary of poems and to use it in well-written poems

## Math

### Students will:

#### Number Sense and Operations

- Demonstrate and develop the use of powers of ten in multiplication and division of decimals
- Use powers of ten in expressing very small and very large numbers in scientific notation
- Recognize rationals and introduce the concept of irrationals
- Be introduced to square roots

#### Ratios, Percentages, and Proportions

- Be introduced to ratios, percents and proportions
- Express percents as fractions, decimals and vice versa
- Use the concept of cross products and apply it to all types of ratio problems

#### Geometry

- Construct define and measure angles, lines and polygons
- Compare and classify quadrilaterals and triangles
- Use formulas to find area, perimeter, and volume of different polygons
- Be introduced to and develop concepts of congruency and similarity

#### Fractions and Decimals

- Apply previous knowledge of fractions and decimals when used in Algebraic equations

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## Algebra

- Differentiate between equations and expressions
- Solve simple and multi-step equations
- Simplify expressions involving all four operations
- Translate words to expressions and equations
- Use all properties to solve equations

## Social Studies

Students will:

### History

- Understand early American peoples and Mesoamerican civilizations
- Discuss the development of Native American cultures and changes over time
- Examine the impact of early explorers, European influences, and colonists
- Compare and contrast the 13 colonies
- Explore the causes, events, people, and results of the American Revolution.
- Explain the reasons for and process of westward expansion, focusing on Lewis and Clark
- Evaluate the causes and effects of the Industrial Revolution
- Examine the differences between the North and the south before the start of the Civil War, focusing on economics and culture
- Identify and analyze symbols, tones, and message in photos, drawings, and political cartoons
- Differentiate between primary and secondary sources as well as reliability of historical information
- extract and interpret evidence to support personal opinions
- Understand the relationship between economics and events in the history of the United States

### Geography

- Study map elements including longitude and latitude to understand absolute and relative location
- Examine the differences between region types, such as climate, geographical, cultural regions
- Discuss and understand current event issues in relation to past events
- Use daily geography skills to practice interpreting maps and mapping skills

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## Civics and Government

- Identify the structure and functions of the United States government as outlined in the Constitution
- Identify the rights and responsibilities of citizens of the United States
- Examine the frameworks for the founding of the government of the United States as compared to other government systems

## Science

Emphasis is on hands-on learning of Life Science through labs, demonstrations, projects, and activities. Students will work toward meeting the following objectives:

### Science Skills

- Design and conduct scientific investigations using the scientific method
- Use appropriate tools and techniques to gather, analyze, and interpret data
- Develop descriptions, explanations, predictions, and models using evidence
- Apply critical thinking skills to relate evidence and explanations
- Communicate scientific procedures and explanations
- Use SI units of measurements and appropriate math skills in scientific inquiry
- Read and construct data tables and graphs
- Further develop content area reading skills
- Maintain a healthy life style
- Compare and Contrast the organs Recognize that the cell is the smallest unit of living organisms
- Identify and describe the function of organelles
- Compare and contrast cells, tissues, organs, and systems
- Explore the history of genetics and identify the factors that control inheritance of traits
- Describe the classification of living things
- Explore viruses and bacteria with an emphasis on prevention of disease
- Investigate the plant and animal kingdoms
- Describe the levels of organization of the human body
- Recognize the importance of homeostasis
- Explore the organ systems of the human body and how they work together
- Understand the importance of frogs and humans

