

7th Grade Language Arts

Seventh Grade students will receive instruction in reading, writing, and listening, speaking and viewing. By the end of 7th grade, students will be able to:

- Use oral and written language, media, and technology for expressive, informational, argumentative, critical, and literary purposes
- Discuss and analyze compelling works of literature
- Constructively critique their own writing and the writing of their peers
- Use descriptive words and complex sentences in a variety of writing genres
- Proof their own writing and edit to conform to basic conventions of Standard English
- Participate in oral presentations and dramatic interpretations for various audiences
- Analyze the effects of media images, text, and sound on viewers

- **BIBLE INTEGRATED IN CURRICULUM**

7th Grade Mathematics

Seventh Grade students will be actively engaged indeveloping mathematical understandings in real and relevant contexts. By the end of 7th grade, students will be able to:

- Apply and extend previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers
- Use properties of operations to generate equivalent expressions
- Analyze proportional relationships and use them to solve real-world and mathematical problems
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations
- Draw, construct and describe geometrical figures and describe the relationship between them
- Solve real- life and mathematical problems involving angle measure, area, surface area, and volume
- Use random samplings to draw inferences about a populations
- Draw informal comparative inferences about two populations
- Investigate chance processes and develop, use, and evaluate probability models
- Demonstrate the use of Algebraic Reasoning
- Describe Patterns and Functions
- Perform basic geometric constructions/figures sketch, model, and describe cross-sections of three-dimensional figures
- Understand transformations and apply properties of similarity
- Demonstrate the use of percent
- Simplify and evaluate algebraic expressions and solve linear equations in one variable
- Describe patterns in the graphs of both direct and inverse proportional relationships

7th Grade Science

Seventh Grade students will study life science through an inquiry based approach. This course will provide a smooth transition from elementary life science concepts to high school biology. By the end of7th grade, students will be able to:

- Classify organisms from simple to complex
- Collect, use, and analyze scientific data related to the diversity and classification of living organisms
- Explain how physical characteristics of species have changed over time
- Trace the history of changing life forms from fossil records found in rock
- Describe the basic components of plant and animal cells
- Describe how cells move and reproduce
- Explain how biological traits are passed from parents to offspring
- Evaluate the role of genes and chromosomes
- Use the concepts of natural selection and fossil evidence and explain the survival of organisms and the survival of successive generations of their offspring
- Recognize the basic characteristics of the major topics in life science such as the diversity of living organisms, the structure and function of cells, heredity, ecosystems, and biological evolution
- Describe the structure and function of cells, tissues, organs, and organ systems
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7th Grade Social Studies

Seventh Grade students will study the history, geography, political structures, and economics of Africa and Asia. By the end of 7th grade, students will be able to:

- Identify and explain significant historical developments leading to and of 20th and 21st century Africa and Asia
- Describe the development of the three major religions that originated in the Middle East
- Explain the impact of location, climate, physical characteristics, natural resources, and population size on these regions of the modern world
- Describe the cultural characteristics of Africa and Asia
- Describe the impact of governmental policies and individual behaviors on these regions of the modern world
- Describe different economic systems and economic policies as they relate to these regions of the modern world

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- Understand Measurement: Two-Dimensional Figure
- Use measures of central tendency and variation to collect, analyze data, and understand the role of probability in sampling
- Problem solve, develop arguments, use language of mathematics, make connections, and communicate
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