

## Science

Science is divided into three primary areas; life, earth & space, and physical. In Grade 5 the areas are studied through the following units of study:

- Classifying Organisms
- Building Blocks of Life/Body Systems
- Matter and Energy in Organisms and Ecosystems
- Space Systems: Stars and the Solar System

Through these units students will gain content knowledge as well as an understanding of the following concepts, skills, and processes including:

- Classify substances according to observable properties.
- Record data using appropriate units.
- Recognize that the human cells found in tissues and organs are similar to those of other animals, but somewhat different from cells found in plants.
- Explain that the human body has ways to defend itself against disease causing organisms and describe how defenders, including tears, saliva, the skin, some blood cells and stomach secretions support the defense process.



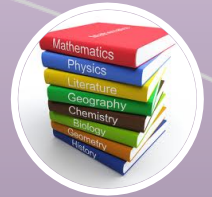
## Social Studies

Social Studies is divided into four strands; civics and government, economics, geography, and history. In Fifth Grade these strands are studied through the following units of study:

- Exploration and Colonization
- Colonial America
- The Struggle for North America
- The New Nation
- Regions of the United States

Through these units students will gain content knowledge as well as an understanding of concepts, skills, and processes such as:

- Describe the establishment of the U.S. government.
- Understand the development of economies within each region.
- Use various types of maps and globes.
- Explain the significance of major events and movements in American History.



# Fifth Grade Curriculum Guide



School Administrative Unit 28

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The Pelham School District, in collaboration with our community, provides high-quality instruction with rigorous expectations in a supportive and safe environment. We prepare all our students for life-long learning and critical thinking, inspiring them to become contributing citizens of the ever-changing global community.



# Mathematics

In Grade 5, instructional time will focus on three critical areas: (1) developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication and division of fractions; (2) integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths; and (3) developing understanding of volume. Additional time will be spent on the following skills and understandings:

- Write and interpret numerical expressions.
- Convert like measurement units within a given measurement system (e.g. 32 ounces = 2 pounds, 16 ounces = 2 cups).
- Represent and interpret data.
- Understand concepts of volume and relate volume to multiplication and to addition.
- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.



# English Language Arts

English Language Arts (ELA) comprises four areas; reading, writing, language, and speaking & listening. Within these four areas there are many categories, which when all brought together encompass student literacy.

In Fifth Grade, these are the skills and understandings we focus on in each area:

## Reading

- Read closely to find main ideas and details in text, refer to them when talking or writing about the text.
- Identify and judge an author's point of view and evidence, look critically at information and its source.
- Integrate information read in many formats (textbooks, literature, magazines, Internet) to answer questions and form opinions.

## Writing

- Write summaries that include details and facts based on text that has been read independently.
- Write extended opinion, informational, and narrative pieces with details and proper grammar, spelling and punctuation over time and several paragraphs in length.
- Use a computer to produce writing pieces.

## Language

- Use words specific to content areas such as "photosynthesis" and "equation".
- Produce complex sentences in order to express meaning or entertain the reader.

## Speaking & Listening

- Paraphrase information and analyze a speaker's evidence during discussions.
- Actively participate in classroom discussions by being prepared and thoughtful about the topic being covered.
- Retell information or ideas learned from media and books through formal presentations, using multi-media to support the presentation.