

Art

The fifth grade student will:

- Demonstrate an awareness of color scheme as it applies to color theory.
- Apply the elements of line, shape, color, value, texture, and form to various 2-D and 3-D processes.
- Further develop an understanding of design principles such as balance, rhythm, emphasis, unity, variety, and contrast.
- Express personal responses to subject matter, materials, techniques, and design elements in both 2-D and 3-D artworks.
- Understand important standards for a completed artwork and be able to use art vocabulary to express these criteria.
- Discuss the aspects of a particular work and period of art, identify the style and culture.

Music

The fifth grade student will:

- Apply musical concepts of melody, rhythm, harmony, dynamics, tempo, and style.
- Apply music theory through the use of musical instruments and reading the printed score.
- Respond to music through a wide variety of listening experiences that are integrated with other academic areas.

Health Dynamics

The fifth grade student will:

- Develop teamwork skills and the ability to work with others during a variety of activities.
- Develop a plan/strategy within a team environment to help complete a task.
- Improve cardiovascular and muscular endurance through fitness routines.
- Understand the dangers associated with bullying and practice methods to becoming an effective mediator within conflicts
- Learning effective methods to cope with frustration and anger.

Curriculum Team Vision

All teachers will plan for all instruction using the Massachusetts Curriculum Frameworks, aligned to the Common Core, and craft powerful learning experiences for students.

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The Lynn Public Schools



*Excellence and Innovation
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LYNN PUBLIC SCHOOLS

Fifth Grade Curriculum Guide

English Language Arts

The fifth grade student will:

Language

- Use language to interpret text, including both literature and content areas.
- Use an extended vocabulary, identify meanings, use antonyms, synonyms, homographs, homophones, contractions, and compound words, and identify and use common prefixes, suffixes, and root words.
- Use a variety of reference sources to determine meaning, usage, and interpretation.
- Identify and refine use of eight parts of speech.
- Refine knowledge and use of Standard English conventions, including colons and changing word order to improve sentence meaning.

Reading and Literature

- Use a variety of comprehension strategies, including activating prior knowledge, making predictions, identifying main idea, supporting details and theme, comparing/contrasting, making inferences, identifying cause and effect, identifying and analyzing figurative language, and synthesizing what is read.
- Identify and analyze characteristics of various genres, including fiction, nonfiction, poetry, prose, and drama, and including works from different cultures.
- Demonstrate an understanding of characterization, setting, plot, and theme, providing evidence from the story to support conclusions.
- Understand various literary elements such as simile, metaphor, hyperbole, alliteration, and onomatopoeia.
- Apply reading strategies to non-fiction and content area material.

Composition

- Follow the writing process, using graphic organizers for prewriting and planning, and engaging in drafting, assessing, revising, editing, and publishing.
- Write a three to five paragraph composition, remaining on topic and using Standard English conventions.
- Use a variety of genres to write for different audiences and purposes, including informational, narrative, persuasive, literary and open-ended response writing.
- Locate information from a variety of sources for research/presentations.
- Use prescribed criteria in a scoring rubric to self-assess work.
- Identify and demonstrate informal and formal English language.
- Use the elements of setting, characterization, and plot in writing.

Mathematics

The fifth grade student will:

Operations and Algebraic Thinking

- Write and interpret numerical expressions.
- Analyze patterns and relationships.

Number and Operations in Base Ten

- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.

Number and Operations—Fractions

- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

The Number System

- Gain familiarity with concepts of positive and negative integers.

Measurement and Data

- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: Understand concepts of volume and relate volume to multiplication and to addition.

Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.

Science and Technology

The fifth grade student will:

- Design and carry out experiments.
- Reach conclusions using the Scientific Method.
- Revise prototypes using the Engineering Design Process.
- Unit Topics are:
 - Buoyancy
 - Rocks and Minerals
 - Water
 - Hurricanes
 - Growing Cells
 - Conservation
 - Evolution
 - Electrical Energy
 - Generating Power
 - Good Vibrations
 - Light Waves and Lenses
 - Complex Machines
 - Designing Roller Coasters

Social Studies

The fifth grade student will:

- Study the major pre-Columbian civilizations in the New World; the 15th and 16th century European explorations around the world, in the western hemisphere, and in North America in particular; the earliest settlements in North America; and the political, economic, and social development of the English colonies in the 17th and 18th centuries.
- Study the early development of democratic institutions and ideas, including the ideas and events that led to the independence of the original thirteen colonies and the formation of a national government under the U.S. Constitution.

**The purpose of the grade 5 curriculum is to give students their first concentrated study of the formative years of U.S. history.