

History Social Science

Our People, Our Country

Your child will explore the geography and people of the United States today. He/she will study geography through the “five themes of geography”. Additionally, your child will investigate the geography and people of contemporary Mexico and Canada.

Your child will learn to:

Map Skills

- Apply map skills to determine absolute locations (longitude and latitude of places studied).
- Interpret a map using information from title, compass rose, scale, and legends.
- Identify national historic sites.

Geography

- Understand the “five themes of geography”: location, place, human interaction with the environment, movement, and regions.
- Study the geography and people of the United States, Contemporary Mexico, and Canada.
- On a map, identify the following: U.S. regions, major land and water forms, the 50 states, state capitals, and major cities.
- Describe the climate, physical features, and major natural resources in each region.
- Identify and describe unique features of the United States (e.g., the Everglades, the Grand Canyon, Mount Rushmore).
- Identify major monuments and historical sites in and around Washington, D.C. (e.g., the Jefferson and Lincoln Memorials, the Smithsonian Museums).
- Identify the five different European countries that influenced different regions of the United States.
- Describe the diverse nature of the American people by identifying the distinctive contributions to American culture of various indigenous and immigrant people.

Civics and Government

- Identify major immigrant groups living in Massachusetts and explain the process by which an immigrant can become a U.S. citizen.
- Discuss the major rights associated with citizenship.

Economics

- Identify what natural resources are found in the United States.
- Explore the effect of limited supply on cost.

Our Elementary Schools

Florence Sawyer School
Emerson Wing
Grades PreK-8
100 Mechanic Street
Bolton, MA 01740
(978) 779-2821

Mary Rowlandson Elementary School
Grades PreK-5
103 Hollywood Drive
Lancaster, MA 01523
(978) 368-8482

Center School
Grades PreK -5
403 Great Road
Stow, MA 01775
(978) 897-0290

District Administration

Brooke Clenchy
Superintendent of Schools

About this Brochure

The curricular highlights in this brochure are broad key areas of study for each core content area. The Nashoba Regional School District prides itself on personalized learning for all. Your child’s academic experience will vary based on individual developmental needs and ability.

Nashoba Regional School District

Fourth Grade Curriculum Highlights



*“Educating all Students to their
Fullest Potential”*

A Brochure for Parents
of:

Bolton
Lancaster
Stow

Department of
Teaching and Learning

(978)779-0539

English Language Arts

By the end of trimester 3, a proficient student is able to:

Speech, Listening and Language

- Engage effectively in discussions.
- Report on a topic or text.
- Demonstrate command of the conventions of standard English grammar and usage when speaking.

Reading

- Read grade-level text with sufficient accuracy and fluency.
- Use strategies to determine the meaning of words.
- Refer to examples and details to demonstrate understanding of text.
- Ask and answer inferential questions to demonstrate an understanding of text.
- Determine the theme and main idea of a text evidenced by key details.
- Demonstrate ability to summarize the text.
- Understand text structure and main purpose of informational text.

Writing

- Demonstrate proper use of capitalization and punctuation.
- Demonstrate command of standard English grammar.
- Spell grade-level words correctly.
- Use the writing process to develop and strengthen writing.
- Write clear and supported opinion pieces.
- Write sequenced and descriptive narratives.
- Write informative / explanatory texts to convey information.

For more information on more specific grade level standards see: <http://www.doe.mass.edu/frameworks/ela/0311.pdf>

Mathematics

By the end of trimester 3, a proficient student is able to:

Standards for Math Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for an express regularity in repeated reasoning

Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.

Number and Operations in Base Ten

- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Number and Operations—Fractions

- Extend understanding of fraction equivalence and ordering.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Understand decimal notation for fractions, and compare decimal fractions.

Measurement and Data

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data.
- Geometric measurement: Understand concepts of angle and measure angles.

Geometry

- Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

For more information on more specific grade level standards see: <http://www.doe.mass.edu/frameworks/math/0311.pdf>

Science & Technology/Engineering

By the end of trimester 3, a proficient student is able to:

Earth and Space Science

- Use evidence from a given landscape to support a claim about the role of erosion or deposition in the formation of the landscape over time.
- Provide evidence that rocks, soils, and sediments are broken into smaller pieces through mechanical weathering and moved around through erosion.
- Analyze and interpret maps of Earth's surface to describe patterns of its features and their locations relative to boundaries between continents and oceans.
- Evaluate different solutions to reduce the impacts of a natural event on humans.

Life Science

- Explain how changes in the environment have an effect on plants and animals.
- Discuss animal and plant behavior in response to environmental stimuli.
- Describe a food chain.
- Describe how energy derived from the sun is used by plants to produce sugars (photosynthesis) and is transferred within a food chain.

Physical Science

- Describe properties of sound and light energy.
- Recognize that sound is produced by vibrating objects and requires a medium through which to travel.
- Relate the rate of vibration to the pitch of the sound.
- Recognize that light travels in a straight line until it strikes an object or travels from one medium to another.
- Recognize that light can be reflected, refracted, and absorbed.

Technology/Engineering

- Recognize the use of materials and tools to accomplish a design task.
- Identify relevant design features for building a given prototype safely.
- Explore problems reflecting the need for shelter, storage, or convenience.
- Explain natural and mechanical systems that are designed to serve similar purposes.