

History Social Science

Your child will learn to:

Foundations of Geography

- Reinforce map and globe skills previously learned and form interpretations.
- Use and apply geographic terms correctly (e.g., delta, glacier, location, settlement, erosion).
- Explain absolute and relative locations.
- Identify how a world atlas is organized.
- Explain how nations are formed and identify examples of international organizations.
- Identify examples of currency and the system for exchange of international trade.
- Explore the concept of supply and demand and its effect on global economy and pricing.
- Describe various economic systems (e.g., market, command, traditional).

Africa, Europe, Russia, Latin America, Asia, and the Pacific

- Identify continents, oceans, seas, regions, major cities, and physical features.
- Explain how the following influence settlement and the economy: *location, climate, physical characteristics, natural resources, and population.*
- Identify when countries became independent nations and how independence was achieved.
- Explain the relationship of Central Asian Republics to the former Soviet Union.

Highlights of Optional Topics of Study

(Topics based on countries indicated above. Specific topics subject to change based on student interest, readiness level, and teacher discretion)

- Describe the general level of education in selected countries studied and its relationship to the economy.
- Explain the political and social status of women in various global cultures.
- Identify major ethnic and religious groups worldwide.
- Identify and describe the major obstacles to economic development in many nations (e.g., political influence of the military, absence of stable governments).
- Compare the form and structure of governments in the Middle East.
- Explain the reasons for and the effects of the partition of the Indian subcontinent and the exchange of Hindus and Moslems.
- Identify the purposes and achievements of the European Union.
- Explain Europe's highly developed network of transportation.
- Explain the sources and global effects of air, water, and land pollution.

Our Middle Schools

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

Hale Middle School
Grades 6-8
55 Hartley Road
Stow, MA 01775
(978) 897-4788

Luther Burbank Middle School
Grades 6-8
1 Hollywood Drive
Lancaster, MA 01775
(978) 365-4558

District Administration

Michael L. Wood
Superintendent of Schools

George P. King, Jr.
Assistant 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

Seventh 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

Reading: Text Complexity and academic language

Grade 7 students will continue to experience growing text complexity in both literature and informational text. Students will make connections between ideas and texts, cite and analyze textual evidence, think critically to evaluate the validity of textual claims in both fiction and informational text. They will analyze the author's use of literary elements and work with rhyme, alliteration and structure to determine meaning in poetry. Students will engage in work with complex academic language and figurative and connotative meanings in reading, speaking, and listening.

Writing: Text types, responding to text, and research

Building upon previous work, Grade 7 students will write narratives, persuasive essays, and informational text. Using the writing process, students will produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Writing in Grade 7 will include the gathering of information for research using multiple print and digital sources as well as linking to and citing digital sources.

Speaking and Listening: Flexible communication

Grade 7 students will develop their skills in collaboration and communication in diverse groupings. They will analyze the main ideas and details presented in varied media and formats. They will present their ideas through speaking and visual aids and learn to be reflective listeners.

Language: Conventions

Language standards include grammar and spelling conventions as well as the appropriate use of concise language.

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

Mathematics

Your child will learn 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

Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical Problems

The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

Expressions and Equations

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

Statistics and Probability

- Use random sampling to draw inferences about a population.
- Draw informal comparative inferences about two populations.
- Investigate chance processes and develop, use, and evaluate probability models.

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

Science & Technology/Engineering

Your child will learn to:

Scientific Method

- Use the scientific method and the metric system.
- Use appropriate laboratory tools, techniques, and measurements.

Classification

- Classify the organisms.
- Identify characteristics that all living things share and determine their needs.

Cells

- Communicate how the microscope contributes to the understanding of living things.
- Explain how cells carry out all functions of life.
- Describe how the shape of plant and animal cells impact their functions.

Viruses, Bacteria, and Disease

- Explain how non-living viruses function.
- Demonstrate how the structure of viruses and prokaryotes help them function.
- Determine how the knowledge of viruses and bacteria aid in the fight against disease.

Organization of the Eukarya domain

- Identify the characteristics used to identify an organism's kingdom.
- Explain how the structure and adaptations of organisms help them survive.
- Communicate why there is diversity amongst living things.
- Demonstrate the life cycles of living things.

Human Structure and Function

- Show how each organ system is designed to work together and carry our specific life functions.
- Understand why there is so much diversity within the human race.

Ecology

- Identify how organisms survive and interact with each other.

Technology/Engineering

- Use appropriate materials, tools, and machines to solve problems, invent, and construct.
- Apply the engineering design process to develop technological solutions to problems.
- Communicate through engineering drawings, written reports, and pictures.
- Use manufacturing processes to convert raw materials into physical goods.

The learning standards for Technology/Engineering cover the grade span from 6-8 as students are seen on a more limited schedule over the three year time span rather than a focused one year curriculum. Grade 6 students will be INTRODUCED to the learning standards. Grade 7 students will have the standards REINFORCED. Grade 8 students will achieve MASTERY of the standards.