

## Social Studies

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

- NH History
- Maps and Globes
- Northeast Region

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

- Understand the organization of New Hampshire state government, and the three branches of government.
- Describe the rights of citizens according to the Constitution and the Bill of Rights.
- Identify renewable and non-renewable resources, including wood and water.
- Understand characteristics of money.
- Understand how needs and wants affect our economy.
- Understand key elements and attributes of a map and map tools.
- Understand how reading maps can increase one's understanding of social studies topics.
- Understand the relationship between climate and physical environment on early settlers in New Hampshire.
- Understand the relationship between the Native Americans and European settlers, and the culture and way of life of Native Americans.

## Science

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

- Rocks and Minerals
- Heredity and Nutrition
- Electricity and Simple Machines
- Earth, Moon & Sun

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

- Sun's light and heat and effect on the Earth, Sun, Moon, seasons and tides.
- The advantages and disadvantages of the use of natural resources.
- Characteristics of humans and other animals and how these characteristics help them to survive.
- The making of healthy food and activity choices.
- Forces, motion and simple machines.
- Natural resources and their use in creating energy.
- Objects and materials that create electricity, including a simple circuit.

*Our mission is to be a continuously improving, learning community, providing quality services to enable all children to master the knowledge and competencies necessary to function skillfully throughout life.*



## Curriculum Brochure

### Fourth Grade

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**School Administrative Unit 95**

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## English Language Arts

English Language Arts (ELA) is comprised of four areas: reading, writing, language, and speaking & listening. Within these four areas are many categories. When all brought together these standards encompass student literacy.

### **Reading:**

- Read fiction and non-fiction texts closely to find main ideas and details in text, refer to them when talking or writing about the text.
- Make connections within and across genres about the characters, events, and settings.
- Read fluently using expression, and tone while varying speed to match the type of text being read.

### **Writing:**

- Write summaries that include details and facts based on text that has been read independently.
- Write opinion, informational, and narrative pieces with details and proper grammar, spelling, and punctuation.
- Complete research projects independently on a topic and write about what has been learned.

### **Language:**

- Distinguish between literal and figurative meanings of phrases, such as “the weight of the world.”
- Use words with similar meanings (synonyms) and opposite meanings (antonyms) to relate words and in reading and writing.

### **Speaking and Listening:**

- Paraphrase information and analyze a speaker’s evidence during discussions.
- Retell information or ideas learned from media and books through formal presentations, using multi-media to support the presentation.

## Mathematics

In Fourth Grade, instructional time will focus on four critical areas to include developing understanding and fluency with multi-digit multiplication and division; developing an understanding of fractions including equivalence, addition and subtraction, and multiplication; understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. Additional time will be spent on the following skills and understandings:

- Use the four operations with whole numbers to solve multi-step problems.
- Use place value to round multi-digit whole numbers to any place.
- Use place value understanding and properties of operations to perform multi-digit arithmetic and subtraction.
- Understand decimal notation for fractions, and compare decimal fractions.
- 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.

## Unified Arts

The Center School Fourth Grade curriculum is supported by our Unified Arts Team of teachers in Art, Music, Physical Education, and Library. Our students meet weekly with our UA teachers to enhance their educational experience.

- **Art**-1 Class Period Per Week
- **Music**-1 Class Period Per Week
- **P.E.**-2 Class Periods Per Week
- **Library**-1 Class Period Per Week