

Science

Science is divided into three primary areas; life, earth & space, and physical. In Grade 4 the areas are studied through the following units of study:

- Weather & Water Cycle
- Ecosystems
- Magnets and Electricity
- Human Identity
- Energy: Heat, Light and Sound

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

- Observe changes ecosystems.
- Compare inherited traits and learned behaviors.
- Explore forms of energy.
- Describe the water cycle and explore factors effecting weather.



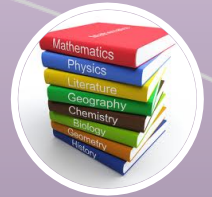
Social Studies

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

- New Hampshire
- Map and Globe Skills
- Government

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

- Identify the major components of Local, State, and Federal governments and their roles.
- Describe the symbols and unique features of New Hampshire.
- Describe the roles of geography and natural resources in New Hampshire and how they influence the way we live.
- Investigate services and products of New Hampshire.



Fourth Grade Curriculum Guide

School Administrative Unit 28

59A Marsh Road, Pelham, NH 03076

(603) 635-1145

www.pelhamsd.org



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 4, instructional time will focus on three critical areas: (1) developing understanding and fluency with multi-digit multiplication and division; (2) developing an understanding of fractions including equivalence, addition and subtraction; (3) 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 problems.
- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Understand decimal notation for fractions, and compare decimal fractions for benchmark numbers.
- 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.



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 Fourth 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.
- Make connections within and across stories relative to the characters, events, and settings.
- Read fluently using expression, and tone while varying speed to match the type of text being read.
- Read and comprehend informational texts across content areas.

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 & 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.