



Welcome to Fifth Grade

2023-2024

Introduction:

We are pleased to have the opportunity to work with you and your child. We hope this curriculum overview helps to give you a general idea of the topics we cover. We will provide a 5th Grade letter with classroom and behavioral expectations during the first weeks of school. We value our home/school partnership and invite you to contact us with questions and concerns.

Supply List

- 1.5" binder or zip-up binder
- Four highlighters
- 1 durable, plastic 3-hole punched pocket folder
- 1 durable, 3-hole punched, pencil pouch
- Personal pencil sharpener (not electric)
- Colored pencils
- Markers
- Pencils
- Earbuds

Each child will be provided with an assignment notebook. We will have extras of all materials if you are unable to purchase them.

Field Trips

(subject to change):

Mashantucket Pequot Museum
Freedom Trail, Boston
CT Historical Society Museum
Nathan Hale Homestead

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CURRICULUM

Social Studies

- US History I: the Earliest Settlements in North America
- Colonial United States History
- the American Revolution

CURRICULUM

Science

Matter and Energy in Organisms and Ecosystems:

- food chains
- energy transfer

Structure and Properties of Matter:

- states of matter
- physical properties of matter
- mixtures and solutions
- physical and chemical changes

Space Systems- Stars and the Solar System:

- gravity
- brightness of sun and relative distance from Earth
- patterns and changes in shadows, day and night, and seasonal appearance of stars in the night sky

Earth's Systems:

- interactions between geosphere, biosphere, hydrosphere, atmosphere
- protecting Earth's resources

Engineering Design:

- define a design problem
- generate and compare multiple solutions
- plan and carry out fair tests with controlled variables

CURRICULUM

English Language Arts

- Read and comprehend informational texts, including history/social studies, science, and technical texts.
- Read with sufficient accuracy and fluency to support comprehension.
- Engage effectively in a range of collaborative discussions, building on others' ideas and expressing their own clearly.
- Demonstrate command of grammar and usage when writing or speaking, as well as capitalization, punctuation, and spelling when writing.
- Spell grade-appropriate words correctly, consulting references as needed.
- Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.
- Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.
- Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
- Know and apply grade-level phonics and word analysis skills in decoding words.

CURRICULUM

Math

- **Finding Volume**
 - Students find the volume of right rectangular prisms and solid figures composed of two right rectangular prisms
- **Fractions as Quotients and Fraction Multiplication**
 - Students develop an understanding of fractions as the division of the numerator by the denominator and solve problems that involve the multiplication of a whole number and a fraction, including fractions greater than 1.
- **Multiplying and Dividing Fractions**
 - Students extend multiplication and division of whole numbers to multiply fractions by fractions and divide a whole number and a unit fraction.
- **Multiplication and Division with Multi-digit Numbers**
 - Students use the standard algorithm to multiply multi-digit whole numbers. They divide whole numbers up to four-digits by two-digits divisors using strategies based on place value and properties of operations.
- **Place Value Patterns and Decimal Operations**
 - Students will use place value understanding to round, compare, order, add, subtract, multiply, and divide decimals.
- **Decimal and Fraction Operations**
 - Students solve multi-step problems involving measurement conversions, line plots, and fraction operations, including addition and subtraction of fractions with unlike denominators.
- **Shapes on the Coordinate Plane**
 - Students plot coordinate pairs on a coordinate grid and classify triangles and quadrilaterals in a hierarchy based on properties of side length and angle measure.