

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.

Materials Required:

- 2" black, 3-ring binder
- four highlighters
- 1 durable plastic 3-holed pocket folders
- personal pencil sharpener (not electric)
- colored pencils
- markers
- pencils

For Spanish Class:

- folder
- composition book
- loose leaf paper

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
Ashford Academy

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Welcome
to
Fifth Grade

2019-2020



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 (Spanish)

- Develop communication skills to describe yourself and your surroundings
- Describe the cultures of Spanish-speaking countries and how they compare to our own
- Make connections between themes in Spanish class and other areas of study, including Math, Science, Language Arts, and Social Studies

Curriculum (ELA)

- 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)

- Write and interpret numerical expressions.
- Analyze patterns and relationships.
- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.
- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.

Curriculum (Social Literacy)

Students will explore Social Studies topics through reading novels and Project Based Learning opportunities. Major topics of study include: Native American cultures, Colonialism and the American Revolution.