

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 pkg. wide-ruled, 3-holed loose-leaf paper
- 2" black, 3-ring binder
- 5 tab erasable dividers
- 3-ring binder pencil pouch
- four highlighters
- 2 durable plastic 3-holed pocket folders
- personal pencil sharpener (not electric)
- colored pencils
- markers
- ½" 3-ring binder with loose-leaf paper for Spanish (can use 4th grade binder)

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 and
State Capitol, Hartford

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*Welcome
to
Fifth Grade*



Curriculum (Science)

Matter and Energy in Organisms and Ecosystems:

- food chains
- energy transfer

Human Brain and Senses:

- structure and function of sense organs
- nervous system

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 Studies)

The study of civics, economics, geography and history as they relate to the founding of the United States as a nation, with connections to Connecticut and local history, emphasizing how government works today, with the use of primary source materials.