

MATH

The following are the units taught in the 5th grade Everyday Math program:

Number Theory
Estimation and Computation
Geometry
Division
Fractions, Decimals and Percents
Exponents and Negative Numbers
Addition and Subtraction of Fractions
Coordinates, Area, Volume and Capacity
Algebra Concept Skills
Probability, Ratios and Rates
*Students are also required to master their multiplication facts to the nines.

SOCIAL STUDIES

The students in 5th grade study the following topics in Social Studies:

- **Government*—How our government was created, the roles and responsibilities of the three branches.
- **Native Americans*—Native American culture, how they adjusted to their environment and their interrelationship with their environment.
- **Explorers*—Exploration of the new world
- **Colonial Times*—How colonial life developed. This unit includes a trip to Fort Western.
- **Revolutionary War*—Events leading to the war.
- **States and Capitals*—Students learn the states, their capitals and the state's location.
- * *Economics*—Students learn to differentiate between want & need, goods & services, supply & demand.

Be Kind

Work Hard and

FIFTH GRADE CURRICULUM



Our goal is to prepare our students for success at the middle school level. We have high expectations for our students and are committed to working with both students and parents to attain those goals. The students will experience switching classes for certain subjects and will gain organizational skills and study habits to make the transition to Leonard Middle School (LMS) smooth and successful.

7/15/09

Revised 9/13/11

READING

Reader's workshop, mini-lessons, small group, large group and individual instruction are used to help students gain the necessary skills to be successful readers.

Students must meet the following standards:

- *Choose reading and writing related activities for enjoyment.
- *Choose to read independently for a period of time.
- *Choose appropriate independent reading materials.
- *Use phonics including word parts and common root words to read fluently and build meaning as they read.
- *Use spelling patterns and concepts by applying them to new vocabulary and to spelling.
- *Read grade level texts with appropriate fluency and rate.
- *Develop vocabulary using knowledge of word parts and relationships.
- *Use comprehension strategies to understand text.
- *Formulate questions to be answered while reading.
- *Read informational text for different purposes.
- *Read, paraphrase and summarize informational texts.
- *Read persuasive text at grade level span.

WRITING

Writer's workshop is used to build students' writing skills through continuous, repeated exposure to the process of writing.

The 6 + 1 Trait Writing program will be used to teach the necessary skills needed to be successful writers:

Ideas

Voice

Conventions

Word Choice

Organization

Sentence Fluency

Presentation

SCIENCE and Health

The students in 5th grade explore a variety of science concepts throughout the school year.

**Digestive and Excretory System*—A study of the digestive and excretory systems, their organs and function, and their interaction with other body systems.

**Food and Nutrition*—A study of the food guide and the benefits of a balanced diet and exercise.

**Motion and Design*—A study of the physics of motion. In this unit the students will work as a team to design different vehicles and use them to learn the effects of force, friction, air resistance, speed and direction. They will also explore the importance of aerodynamics and how carrying a load affects a vehicle's motion.

**Reasons for the Seasons*—A study of the causes of climates and seasons.

**Penobscot River Ecosystem*—A study of the Penobscot River ecosystem and the life cycle of the Atlantic Salmon.

**Cells, Heredity and Reproduction*—The discovery of cells, their parts, comparisons between single vs. multi-celled organisms. Cell growth, reproduction and how traits are inherited.