

SOCIAL STUDIES

Students will:

- Identify the locations, political structures, religious practices and decline of three major Pre-Columbian civilizations in the Americas (Maya, Aztec, and Inca)
- Describe the exploration and discoveries of the New World by Europeans starting with the Vikings and ending with the 16th century explorers
- Understand the goals of the various settlements in the Americas and the subsequent development of the original colonies
- Understand the political, intellectual, and economic growth of the colonies from 1700-1775
- Recognize the key ideals and events of the American Revolution and the formation of the Federal Government including the Constitution of the Commonwealth of Massachusetts
- Describe the principles and institutions of American constitutional government
- Understand the growth of the country through the first four presidencies
- Understand the development of civics and governmental structures (local through federal levels)
- Understand the development of American economics
- Identify absolute location, longitude, latitude, prime meridian, equator, four hemispheres, North and South Poles
- Read and compare modern and historical maps



OUR MISSION

The Pentucket Regional School District seeks to inspire its students with a love of learning and to enable them to develop their academic potential and individual talents in an atmosphere that cultivates independent thinking. We will prepare our students to develop respect for others and to be responsible citizens of a global society.

OUR VALUES

Respect
Accountability
Integrity
Opportunity

Schools in the Pentucket Regional School District are dedicated to providing an up-to-date and challenging curriculum at each grade level. These curriculum brochures represent an overview of the comprehensive competencies at each grade level and in each subject and/or specialist area. Students and parents are able to review the rich curriculum offered in our District.

Pentucket Regional School District does not discriminate on the basis of race, color, religion, national origin, gender, sexual orientation, disability, or age.



Dr. Frederick N. Sweetsir School
104 Church Street
Merrimac, MA 01860
Tel: 978-346-8319/Fax: 978-346-7844
Grades Pre K-2

Helen R. Donaghue School
2 Union Street Extension
Merrimac, MA 01860
Tel: 978-346-8921/Fax: 978-346-7839
Grades 3-6

Dr. Elmer S. Bagnall School
253 School Street
Groveland, MA 01834
Tel: 978-372-8856/Fax: 978-521-8956
Grades Pre K-6

Dr. John C. Page School
694 Main Street
West Newbury, MA 01985
Tel: 978-363-2671/Fax: 978-363-2234
Grades Pre K-6

Pentucket Regional Middle School
20 Main Street
West Newbury, MA 01985
Tel: 978-363-2957/Fax: 978-363-2720
Grades 7-8

Pentucket Regional High School
24 Main Street
West Newbury, MA 01985
Tel: 978-363-5507/Fax: 978-363-2730
Grades 9-12

Central Services
Office of the Superintendent
Office of the School Committee
22 Main Street
West Newbury, MA 01985
Tel: 978-363-2280/Fax: 978-363-1165

Visit us @ www.prsd.org



GRADE 5 CURRICULUM



PENTUCKET REGIONAL SCHOOL DISTRICT

Groveland
Merrimac
West Newbury

Pentucket ... a culture of continuous learning

ENGLISH / LANGUAGE ARTS

Students will:

- Read and comprehend grade level text; use multiple strategies to read and comprehend
- Identify theme and main idea using supporting evidence
- Identify and analyze story elements such as character, setting, plot, problem, climax and resolution, theme, author's purpose
- Identify author's purpose, cause and effect, and generalizations
- Identify and analyze characteristics of various genres
- Differentiate between fact and opinion, compare and contrast, make predictions, make inferences, and sequence events
- Identify and analyze figurative language including simile, metaphor, personification, onomatopoeia, and hyperbole
- Use the writing process: pre writing, drafting, revising, editing, and publishing
- Write in a variety of formats including letters (friendly/business), expository, research/historical fiction, test question responses, note taking
- Write multiple paragraphs using strong topic sentence, supporting details, strong closing sentence, and varied sentence structure
- Use appropriate grammar, punctuation, and spelling



MATHEMATICS

Students will:

- Use a divisibility test to determine if a number is divisible by another number
- Identify prime and composite numbers and even and odd numbers
- Understand how square numbers and their square roots are related
- Know multiplication facts to 12 x 12 and related division facts
- List the factors of a number and find the prime factorization
- Write and solve open sentences for number stories using variables
- Round numbers to designated places and make magnitude estimates
- Know place value to billions and decimals to thousandths
- Find the sum, difference, and product of multi-digit whole numbers and decimals
- Estimate the measure of an angle and measure angles to within 2 degrees
- Know properties of types of angles, triangles, polygons and polyhedrons
- Divide decimal numbers by whole numbers with no remainders
- Divide a whole number by a 1 and 2 digit whole number and interpret the remainder



MATHEMATICS (continued)

Students will:

- Find equivalent fractions and common denominators to add and subtract fractions
- Use a ruler to measure fractions of standard and metric units
- Solve problems involving unit conversions within a system of measurement
- Order and compare fractions and decimals
- Convert between fractions, decimals and percents
- Convert between fractions, whole numbers and mixed numbers
- Construct and interpret line plots, and circle, line and bar graphs for sets of data
- Identify and use statistical landmarks, mean, median, mode, range, maximum, and minimum
- Understand and apply powers of 10 and exponential notation
- Understand and apply order of operations
- Solve problems involving proportional relationships
- Estimate and find the area and perimeter of a parallelogram and a triangle
- Analyze and determine the rules for extending symbolic, arithmetic, and geometric patterns
- Identify, plot, and locate points in all quadrants of the coordinate plane

SCIENCE

Students will:

- Recognize simple machines (lever, inclined plane, screw, wedge, wheel and axle, gears, pulley) within common items
- Understand appropriate use of each simple machine
- Differentiate between simple and complex machines
- Be able to identify the simple machines within a complete machine
- Identify elements of weather and the weather instruments that measure them
- Recognize types of fronts, clouds, air masses, storm systems and the accompanying weather
- Understand the effects of global patterns (jet stream, ocean currents) on weather
- Recognize the difference between climate and weather
- Read and interpret weather maps
- Understand the interactions between organisms and the environment
- Recognize dependent and interdependent relationships (food chains, food webs, oxygen cycle, energy cycle)
- Understand impacts (natural and man-made) on the ecological balance

