

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 online @ www.prsd.org



TECHNICAL EDUCATION - APPLIED MATH & SCIENCE CURRICULUM GRADES 9-12



PENTUCKET REGIONAL SCHOOL DISTRICT

Groveland
Merrimac
West Newbury

Pentucket ... a culture of continuous learning

TECHNOLOGY EDUCATION

Students will:

- Develop basic technical drawing skills
- Measure accurately to 1/16 inch
- Understand basic shop safety
- Use hand and power tools
- Understand and utilize the problem solving model
- Build simple machines using a variety of materials
- Work individually and cooperatively on projects
- Develop an understanding of the technical world



TECHNICAL DRAWING

Students will:

- Identify and use basic drawing tools
- Measure accurately to 1/16 inch
- Identify and draw basic geometric shapes
- Identify lines that are parallel, perpendicular, and angular
- Learn standard drawing practices



TECHNICAL DRAWING (continued)

Students will:

- Create single view drawings
- Use orthographic and isometric projection to create drawings
- Complete a simple floor plan, wall section, elevation, and perspective drawing
- Explain the differences between technical and architectural drawing
- Discuss CAD



PROBLEM SOLVING

Students will:

- Learn basic shop safety and procedures
- Understand the problem solving model
- Use hand and power tools
- Read prints and follow process sheets
- Learn basic construction methods
- Build simple machines
- Understand destructive and non destructive testing
- Study basic electricity and build simple circuits

ARCHITECTURE

Students will:

- Discuss current trends in architecture
- Recognize and describe the elements of contemporary dwellings
- Recognize the four basic house designs
- Discuss key site considerations, restrictions, zoning, and codes
- List family needs that should be considered when planning a dwelling
- Describe the basic construction drawings used to build a structure
- List and explain the use of architectural drafting equipment
- Discuss factors that are important in the design of sleeping areas, living areas, and service areas
- Draw a full set of plans for their “dream house”
- Discuss various career options in architecture and residential construction

