



Technology Education Instruction in the West Shore School District

Technology Education instruction in the West Shore School District is aligned to the PA Core Standards and identified best practices. We utilize a variety of strategies and differentiate our instruction to meet the needs of all learners. Technology and 21st Century Skills are thoughtfully woven into our lessons and units of instruction. This document is meant to offer an overview of important concepts in this course.

Best Practices in 8th Grade Technology Education:

- Students will be able to measure to 1/16.”
- Structural design and engineering concepts in real world applications and situations.
- Emphasis on understanding technical design through product testing and use of simple machines and modern innovations.
- Technical problem solving with a hands-on approach to experimentation. Making inferences and/or draw conclusions based on information from blueprints.
- Listen critically and respond to others in small and large group situations.
- Work with tools, materials, and technological concepts and processes.
- Use of scale with its relationship to a model.
- Calculate degrees, angles, circumferences, diameter, ratios, decimals, and radii.

Skills and Concepts:

- Design and engineering
- Fractional measurement
- Manufacturing technology
- Computer applications

Standards:

[SAS](#)

Assessments:

WSSD utilizes a variety of assessments to monitor student growth and achievement. Our teachers engage in daily informal formative assessments to make timely decision about whether a student understands the material and concepts being presented. We also utilize several summative assessments to determine if a student has mastered grade level skills and standards. Students will be assessed according to the rubrics for the projects completed. They will receive feedback from the instructor to correct any mistakes.

Materials and Resources:

- Lab fee
- All tools and materials are located in the classroom; no other purchases will be required.
- Additional options are available.

Parent Resources:

[The Ruler Game](#)

Teachers' websites