



DaVinci Program Instruction in the West Shore School District

The DaVinci Program is a cross-curriculum course in the West Shore School District. Students will develop personalized projects that align with PA Core Standards in Science, Technology and Engineering. Teachers will provide guidance and instruction as determined by the development of the students' projects. This document is meant to offer an overview of important concepts within DaVinci Program.

Best Practices in the DaVinci Program:

- Learning activities that are student-initiated, self-paced, and meaningful to the learner.
- Emphasis on mastery of standards related to their project.
- Guidance through student-driven instructional objectives, pacing, research, hands-on development, and application of project.
- Emphasis on communication through research and presentation of completed project.
- Evaluation that focuses on engineering design processes through authentic tasks and attention to varied learning styles and needs.

Skills and Concepts:

- Communication
- Critical Thinking
- Creativity
- Problem Solving
- Time Management

Standards & Item Samples of Keystone Exam:

Standards for Science & Technology: [Standards](#)

Standards for Mathematics: [Standards](#)

Assessments:

WSSD utilizes a variety of assessments to monitor student growth and achievement. Our teachers engage in daily informal formative assessments to make timely decisions 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 in the DaVinci Program will be assessed by the following project rubric. [Log](#)