



Algebra II Instruction in the West Shore School District

Mathematics 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 Algebra II:

- Discovery learning of concepts both algebraically and graphically.
- Connection of Algebraic concepts to real world data and situations.
- Emphasis on understanding mathematical concepts through the use of graphing calculators and technology.
- Evaluation that focuses on a library of functions and the analysis of their characteristics and applications.
- All mathematically content within units will incorporate rigor, connection, and application.

Skills and Concepts:

- Arithmetic
- Fractions
- Graphing
- solving

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.

Materials and Resources:

WSSD utilizes a variety of resources to meet all learners' needs.

Parent Resources:

[Khan Academy](#)