



Algebra II Instruction in the West Shore School District

This course strengthens the skills of Algebra and explores the key concepts of Algebra II. The course is designed to strengthen algebraic skills, develop more complex equation solving skills to include quadratics, and provide students with a basic understanding of Algebra II concepts. The scope of this course less expansive than the material covered in the Algebra II course.

Best Practices in Algebra II Essentials:

- Discovery learning of concepts both algebraically and graphically.
- Connection of Algebraic concepts to real world data and situations.
- Emphasis on understanding mathematical concepts through 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
- Quadratics
- Exponents
- Roots
- Statistics

Standards:

[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 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.

Some of the assessment utilized are:

Quizzes, Tests

Projects

Midterm

Final Exam

Item samples for PSSA/ Keystone:

[Samples](#)

Materials and Resources:

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

Graphing Calculator, Graph paper, Computers

Parent Resources:

[Pearson](#)