

Course Description

Grades 9-12 Algebra II

Philosophy Statement: We believe the laws of mathematics are not arbitrary creations of man, but an absolute creation of God (Colossians 1:16-17). While gaining mathematical knowledge and developing essential life skills, students will recognize that God is a God of order and infinite wisdom.

Course Objective: This course completes the automation of the fundamental skills of algebra. Algebra II is the springboard to advanced mathematical concepts.

Textbooks: Prentice Hall - Algebra 2
Pearson
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Materials:

- Calculator

Time Allotment: 45 minutes per day, 5 days per week

Course Content:

- Equations and Inequalities
- Linear Equations and Functions
- System of Linear Equations and Inequalities
- Matrices and Determinants
- Quadratic Functions
- Polynomials and Polynomial Functions
- Powers, Roots and Radicals
- Exponential and Logarithm Functions
- Rational Functions

Areas to be evaluated:

- Homework assignments
- Unit Tests
- Semester Tests
- Weekly Quizzes

Additional activities: none