

Course Description: Algebra 2 prepares students to take Pre-Calculus and Statistics. A major goal of this course is for students to develop skills in manipulating and solving linear, quadratic, exponential, polynomial, radical, rational, and logarithmic equations. Topics include linear functions, systems, polynomial functions, rational expressions, powers, roots, radicals, quadratics, exponential and logarithmic functions, and inverse functions.

Textbook: Glencoe McGraw-Hill, Algebra 2 © 2018

Course Outline:

- Chapter 0: Preparing for Advanced Algebra
- Chapter 1: Linear Equations
- Chapter 2: Relations and Functions
- Chapter 3: Quadratic Functions
- Chapter 4: Polynomials and Polynomial Functions
- Chapter 5: Inverses and Radical Functions
- Chapter 6: Exponential and Logarithmic Functions
- Chapter 7: Rational Functions
- Chapter 8: Statistics and Probability
- Chapter 9: Trigonometric Functions
- Chapter 10: Trigonometric Identities and Equations

Materials:

- Pencils, notebook, folder, calculator (no need to buy one, but you are welcome to bring your own.)

Grades:

- Your grade for the class will come from the following sources: homework, quizzes, tests, participation work, homework, and exams