



Sterling High School

Course Name: Algebra II

Department: Math

Teacher: Mr. Zimmerman

Prerequisites: Algebra I

Additional Required Materials: Graphing Calculator Suggested

Course Description: Algebra II is a true “college prep” course. It will be taught from the prospective that most, if not all, of the students are planning on continuing their education after high school and will thus need to be prepared to face the rigors of higher education. A significant element of any higher education course of study is the ability to function at a very high level in abstract complex thinking situations. Algebra II will look at many new and challenging ideas in Algebra and Trigonometry that have not been investigated previously.

In addition to a review of all the key topics covered in Algebra I, the key topics of Algebra II will be 1. Functions (particularly non-linear functions), 2. Non-Linear Graphing, 3. Solving Complex Systems of Equations, 4. Complex and Imaginary Numbers, 5. Complex Algebraic Equations, and 6. Unit Circle Trigonometry.

A key element for success in higher education, and in Algebra II, is for a student to be very determined to pursue their education. This will undoubtedly be a new concept for many of the students, but we will learn what this means and how it will ensure your success in this class and in your future academic endeavors.