

Troy High School Course Profile

Course Title: Algebra 2

Course Prerequisites: Refer To Registration Presentation

Course Description:

Algebra 2 completes the three-year college-preparatory mathematics sequence. The course will emphasize an exploration of functions and equations and their applications. The student will study linear, quadratic, polynomial, exponential, logarithmic, and rational functions. Additional topics include systems of equations and inequalities, powers, roots and radicals, conics, sequences and series, and probability and statistics.

Students entering this course should already have a mastery of the following concepts and possess the following skills:

- Solving linear equations
- Graphing linear equations
- Factor a quadratic function
- Graph a quadratic function
- Perform calculations quickly in their head
- Mastery of number sense and operations involving fractions

Workload Expectations for this course (list typical amount of homework, projects, presentations, papers, etc.):

- Homework will be practice problems from the textbook or a worksheet. It should take on average 30-60 minutes a night to complete homework.
- Students will be encourage to take notes daily either on paper or in a packet