

Troy High School Course Profile

Course Title: Algebra Foundations 1

Course Prerequisites: Refer To Registration Presentation

Course Description:

Algebra Foundations I introduces the student to variables, algebraic expressions, equations, functions, inequalities, and their graphical representation. The student will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate mathematical ideas clearly. This course alone will not count toward meeting the Algebra I graduation requirement.

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

- All 7th grade Math standards
- Strong understanding of Integers, Order of Operations, Absolute Value, exponents and using the Four Operations(+,-, x , /) involving fractions and decimals
- Basic knowledge of one and two step equations (including the definition of 'inverse operation')

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

- Homework usually will not exceed 30 minutes per night, daily
- Individual/Group projects assigned occasionally
- Quizzes or Tests are usually weekly
- Organization & self advocacy (when help is needed) expected