

Troy High School Course Profile

Course Title: Algebra 1

Course Prerequisites: Refer To Registration Presentation

Course Description:

Algebra 1 introduces the student to variables, algebraic expressions, equations, functions, inequalities, and their graphical representation. The student develops the ability to: explore and solve mathematical problems, think critically, work cooperatively with others, and communicate mathematical ideas clearly.

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

- All 7th grade math standards mastered and strong competency on 8th grade math standards
- Integers- add, subtract, multiply, divide
- One and Two step Equations & Inequalities
- Number line/Absolute Value/ Order of Operation/Exponent basics and ability to solve higher level problems incorporating the aforementioned topics
- Basic skills and understanding of Linear Graphing & Functions (symbols, inverse operation, knowing x as an unknown and no longer a multiplication symbol)

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