Troy High School
Course Profile

Course Title: Geometry

Course Prerequisites: Refer To Registration Presentation

Course Description:

Geometry continues the three-year college-preparatory mathematics sequence begun in Algebra 1. The course introduces the student to the principles of inductive and deductive reasoning implications, coordinate and transformational geometry, the properties of polygons and circles, and concepts of area and volume. The student expands his/her ability to explore and solve problems mathematically, think logically and critically, and communicate mathematical ideas clearly.

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

- Solve multi-step equations and inequalities
- Understand the operations of rational numbers
- Simplify radicals
- Solve a system of equations
- Factor polynomials
- Graph and write equations of lines.
- Understand proportions
- Solve common applications of algebra

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

- Daily homework which will take about 30 - 45 minutes
- Generally a quiz or a test every week.
- 1 project per semester