

COURSE TITLE: Geometry CP

Level of Difficulty	Estimated Homework	Prerequisites
Moderate	30-60 minutes	District: "C" or above in Algebra 1 or Algebra 1B Department Suggestion: "C" or above in Algebra 1 or Algebra 1B

Course Description:

In this course students will engage in activities that allow them to apply inductive and deductive reasoning in problem solving as it related to Euclidean Geometry.

Topics include transformations, line relationships, angle relationships and measure, properties of triangles, quadrilateral and other polygons, formal proofs, congruence and similarity, trigonometry and practical applications, properties of circles, area of 2-D figures, surface area and volume of 3-D solids, probability, and geometric constructions.

Students are expected to communicate precisely about quantities, logical relationships and unknown values using appropriate signs, symbols, models, graphs, and vocabulary. They will communicate through oral and written explanations and will work individually and collaboratively.

Algebraic concepts and techniques are emphasized and reviewed throughout the course to aid in the understanding of geometric concepts and applications, and to reinforce proficiency.

Grading:

Expect a grading policy similar to the following:

Assessments 80 - 85%

Assignments and Class Participation 15 - 20%.

Syllabus:

Course syllabi will be provided by the teacher.

Supplemental Information:

UC Subject Area "c"

Technology will be integrated throughout this course and students will be assigned online lessons and activities.