

2024 CP Geometry course outline

Students should bring notebook, pencil, calculator, and protractor. The Learning Center provides these texts: Geometry for Enjoyment and Challenge, McDougal Littell, and Geometry, Houghton Mifflin. Chromebooks are given to students to access online updates. The instructor adds supplementary materials as needed.

Texts cover: Points, Lines, Planes, and Angles; Deductive Reasoning; Parallel Lines and Planes; Congruent Triangles; Quadrilaterals; Inequalities in Geometry; Similar Polygons; Right Triangles; Circles; Constructions and Loci; Areas of Plane Figures; Areas and Volumes of Solids; Coordinate Geometry; Transformations; Logic.

Every effort is made to satisfy the New Jersey Student Learning Standards for Mathematics, and to prepare the students for their respective high school's exam. (See the link: [Geometry NJSLs-Math Prerequisite Concepts and Skills by Domain](#))

Course Description

This course is an accelerated study of high school Geometry and is meant to fulfill the credit requirement. It is a six-week program, Monday through Friday, four hours per day, or 20 hours per week, plus three sections of midterm and final review and assessment, totaling 130 hours.

The course follows the NJSLs, while accounting for possible variations in schools represented by attending students. All classroom instructors are certified math teachers with many years of teaching experience.

Student progress is assessed daily. Homework is required and reviewed every day. There are two tests per week, lasting either an hour or ninety minutes depending on material covered. Quizzes are given on days when there is no test. Course grade depends 60% on test performance, 35% on quizzes, and 5% on homework. Students must show all their homework and classwork for full credit.