



Curriculum, Instruction & Professional Development
Office of the Math Curriculum Leader
Teacher Resource Center, Room 6, Ext. 2962

To **Geometry** students and parents:

Course Description

Geometry consists of the study of lines, planes, space, angles, curves, figures, and transformations. Basic ideas are introduced through concepts of sets of points with extensions into three dimensions. Coordinate geometry is formalized.

Basic Texts

All students are provided with Long Beach Unified School District approved textbooks for this class. Students will need their textbooks both at school and at home every day.

College Preparation

This is a college preparatory math class in which student need to earn a “C” or better to fulfill the A-G requirements for admission to California State University and University of California. Students enrolled in Geometry are on their way to completing the requirements for college admission to CSU and UC, which include Algebra, Geometry, and Intermediate Algebra. Students should strive to take math during all four years of high school to ensure their college success.

Assessment

Students who expect to succeed must take an active part in their Geometry class, complete all assigned work, perform well on quizzes and tests, and attend class regularly. Students’ grades are based on homework, quizzes, tests and other assessments such as notes, projects, presentations, portfolios or open-ended math prompts. Learning requires active participation. Students are expected to take notes in class and refer to them for homework and test preparation.

Homework

Homework is assigned daily and all work must be shown for credit. This is an area in which parents can take an active role. Parents should provide an appropriate work area and periodically check their child’s work for completeness throughout the year. It is important that students study the material, identify any problem areas, and secure additional help immediately if they have any questions.

Course Outline and Final Exam

This syllabus includes a course outline which gives a detailed list of the content students will be learning. Sample problems, which students should be able to successfully complete by the end of the course, are printed after each topic. A LBUSD end of course exam covering all major geometry topics will be given in June.

Required Geometry Materials

Geometry course work requires the use of tools such as rulers, compasses, protractors, and graph paper. It is important that each student have these materials.

Calculator Usage

Although LBUSD expects students to be proficient in many skills without the use of a calculator, Geometry requires that students learn to use a scientific calculator for more complex problems. Some calculators will be available in the classroom, but it is important that all students own a scientific calculator in order to complete class assignments and homework. The use of scientific calculators is allowed on the LBUSD Final Exam. The Standardized Testing and Reporting Program (STAR) test, however, does not allow the use of any type of calculator.

Standardized Testing and Reporting Program (STAR)

All students in grades 8-11 will take the STAR test in the spring. Students enrolled in Geometry will take the Geometry Content Standards exam that covers the Geometry Math Content Standards. Calculators are not allowed on this exam.

Multiple Choice Testing

The STAR, Scholastic Aptitude Test (SAT), American College Test (ACT), Entry Level Math (ELM), and LBUSD Final Exams all contain multiple choice questions.