

Geometry

~~ Mrs. Judy Smith ~~

Syllabus 2022 ~ 2023



Welcome to Geometry!!!

Description: This course is a college preparatory mathematics course in Euclidean geometry that is designed to meet CSU/US college entrance requirements. This course is aligned with the California Common Core State Standards Geometry strand. Topics include the study of points, lines, planes, angles, perpendicular and parallel lines, transformations, identifying and applying congruent triangles, quadrilaterals, similarity, right triangles and trigonometry, circles, polygons, area, surface area and volumes, and rules of probability.

Objectives/Standards: The fundamental purpose of the Geometry course is to introduce students to formal geometric proof and the study of plane figures, culminating in the study of right triangle trigonometry and circles. They begin to prove results about the geometry of the plane formally, by using previously defined terms and notions. Similarity is explored in greater detail, with an emphasis on discovering trigonometric relationships and solving problems with right triangles. The correspondence between the plane and the Cartesian coordinate system is explored when students connect algebraic concepts with geometric ones. Students explore probability concepts and use probability in real-world situations. The major mathematical ideas in the Geometry course include geometric transformations, proving geometric theorems, congruence and similarity, analytic geometry, right-triangle trigonometry, and probability. See the CA Mathematics Framework for a list of California Common Core State Standards - Geometry addressed in this course.

Textbook: *Geometry*, Big Ideas Math, 2015

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Web Grade: Your grades will be available on the web via the Aeries Student/Parent Portal (password protected). Grades will be updated frequently. Your grade shouldn't be a surprise at the end of the Semester. You are responsible for checking that the scores are accurate. Keep all papers to assure that your scores are entered correctly. **[Parents: To obtain the logon information for your child's grade, please call or email Stephanie Lowe, the district librarian, for assistance.]**

Grades: Grading Scale:	90-100	A
	80-89	B
	70-79	C
	60-69	D (student must repeat course)
	59 and below	F (no credit earned, must repeat course)

A student's grade is based on a weighted average as follows: **Assessments 65%** (tests, quizzes, performance tasks), and **Classwork, Homework and Citizenship 35%**

Grades may be viewed on AERIES. They will be updated frequently. If you have trouble logging onto AERIES, please contact the school library.

- **Homework:** Homework is assigned daily and will be checked at the ***beginning*** of the next class meeting. In order to receive full credit, homework must be completed by the time it is checked – at the beginning of the class period. If you are absent, it is YOUR RESPONSIBILITY to complete missing assignments and submit them in the appropriate manner.

NOTE: For some sections, we will be using the “Flipped Classroom” model. Your homework each of these nights will be to watch a video and take notes. You will have an opportunity to ask questions about the video at the beginning of the next class period. During the class period, we will be working on problems and activities related to the video. If you have not viewed the video and taken notes BEFORE class starts, you will have to watch the video during class and do the assignment for homework.

- **Classwork** Do-nows/warm-ups are assigned at the beginning of class each day on a weekly sheet and turned in as a packet on the Chapter test day. To receive credit, all problems must be accurately and neatly completed in pencil and an attempt must be made to complete each problem. Each day’s problem is worth 2 points.
- In class work and homework that is assigned will be graded for both completeness and correctness. Students will be instructed in advance if an assignment is going to be collected or how an in class activity or assignment will be graded. Students will have an opportunity to correct most homework assignments to improve the score.
- **Tests and Quizzes:** Tests and Quizzes will be given on content and vocabulary periodically. All assessments will be announced in advance and indicated on the calendar. Tests and Quizzes must be completed in pencil. Final exams will be given at the conclusion of each semester and will be cumulative.

NOTE: It is **your responsibility** to schedule a make-up time for any tests or quiz that is missed due to absences. If you miss any test or quiz, you will be expected to make it up during tutorial or lunch, and before the next chapter test.

- **Projects/Performance Tasks:** Throughout the semester, we will have several assessments that are similar to projects, called performance tasks. They will be discussed in detail when assigned.
- **Test Retakes:** Students will have the opportunity to retake any quiz or test for a better grade provided the student completed all the homework and classwork PRIOR to taking the test/quiz. Students will be allowed one retake per test or quiz. The score for the original test and the retake will be averaged. If you are interested in retaking a quiz or test, you must schedule a time with the teacher.