

GEOMETRY
COURSE SYLLABUS SUMMER 2019
JULY 15 – AUGUST 16
Monday – Thursday 9:00am – 1:00pm
Friday 9:00am – 11:00am

GOALS AND OBJECTIVES

Geometry 5-week course; Credit: 1 equivalent to the Madeira Geometry course
(Madeira student and Non-Madeira student)

Students learn to identify angle relationships, scale, proportion, triangle congruence, and similarity, how perpendicular and parallel relationships unify and extend earlier concepts, and how to apply new knowledge to applications in circles, polygons, and right triangles. Students learn how to compute the area of plane figures and apply trigonometric skills to problem-solving in their work with a variety of 2-D shapes. Students will apply principles of algebra with continued practice and reinforcement throughout the year while also demonstrating increasing flexibility with coordinate geometry, building a strong foundation for success in higher mathematics. ***Prerequisites:** Algebra I*
A Madeira student who successfully completes this course will be placed into Bridge to Algebra II. A student wishing to be placed into Algebra II or Advanced Algebra II must take a placement exam.

TEXT AND MATERIALS

- Larson, Boswell, Kanold, and Stiff, *Geometry*, McDougal Littell, 2007.
- ISBN-13: 978-0-618-59540-2
- ISBN-10: 0-618-59540-6
- Graph Paper Notebook or 3-hole punched Graphing Paper as part of a regular notebook is fine as well
- Folder (for loose papers) (pocket in notebook is fine)
- Pencils (Sharpened or Mechanical), colored pencils are optional
- Eraser
- Spare batteries (for when your calculator dies)
- Calculator (TI- 84 series is required in class daily)

***NOTE: YOU ARE EXPECTED TO ARRIVE ON TIME IN CLASS FULLY PREPARED EVERY DAY! ALL TESTS ARE COMPLETED IN PENCIL. IF YOU BRING A PEN TO CLASS, YOU CAN USE IT ONLY FOR TAKING NOTES. A CALCULATOR IS REQUIRED DAILY WITH A SPARE SET OF BATTERIES. YOU MAY NOT SHARE CALCULATORS DURING TESTS.**

ASSESSMENT

Course grade is determined by one weekly test (5 total), shorter mid-week quizzes, and homework. The breakdown will be: tests/quizzes: 85%, homework: 15%.

Homework consists of problems relating to what has been covered in the class. Homework will be checked daily. Students are expected to try each homework problem; full credit is given ONLY when each problem has been attempted with work shown and answers written clearly. Half credit is given for mostly complete work and zero credit is given for homework that is less than half complete. It is also expected that students will show all work on their homework paper. Answers without proper support may receive reduced or no credit.

HELP SESSIONS

You are encouraged to get extra help from the teacher promptly, if questions arise. The teacher will be available for an hour after class time. If additional time is necessary, make an arrangement with the teacher ahead of time.

ACADEMIC HONESTY

The Madeira Math Department requires students to work independently on any graded assessment, unless explicitly stated otherwise by the teacher. You will be expected to sign a pledge to that effect. Please do not jeopardize yourself by giving even the appearance of cheating. Academic dishonesty is a violation of a major school rule and is never taken lightly at Madeira.

ABSENCES

Any absence will require a written note or e-mail from a parent. Students will be given 24 hours after an absence to make up work that was missed. Since tests are expected to be given on Fridays, any student missing a test will be expected to make it up the following class meeting. Students cannot miss more than three (3) classes, without prior permission, and still receive credit.