

Honors Geometry Syllabus

Teacher: Mrs. Kirker

Course Description

This course covers the basics of plane, solid, and coordinate geometry. It will focus on geometric knowledge of physical space and both deductive and inductive reasoning. Geometry cannot be understood without a solid foundation of algebra. Therefore, you will find your algebra skills a necessity in this class as many of our topics will integrate the studies of algebra and geometry. To be successful in geometry you must understand numerous vocabulary terms and proper notation. This will be an important point of focus in this course.

Technology

All students have a TI-NSPIRE graphing calculator for use in the classroom if their personal calculator is not with them or is not working. The instructor will use a graphing calculator (TI-NSPIRE) projected on the Smart Board. Each student will need to purchase either a new or used TI-NSPIRE graphing calculator to do work at home. Students will need this calculator for all future mathematics classes.

Assessments

Quizzes will be given regularly to assess students' comprehension of topics covered. Major tests will be given at least 2 times each 9 weeks and will count 50% towards the students 9-week average.

Course Materials

Students will be required to keep a notebook for this course. This notebook is imperative to their success as it will enable students to stay organized. Students will learn to organize their notebook in class, but the following materials are necessary:

- 3 ring binder (2 inch minimum)
- Dividers w/tabs labeled in order (Warm-Ups, Notes, Assignments, Quizzes, Reviews)
- Pencils and Grading pens (red, or any color other than black or blue)

Please have these supplies next class period.

Everyone needs to bring: 1 box of Kleenex & either 1 set of green pens or red pens

Course Percentages (per grading period)

50% Major grades (such as Tests)

50% Minor grades (such as Daily Assignments & Quizzes)

Course Outline

First Semester:

Probability
Conditionals & Beginning Proofs
Transformations
Geometry & Angle Basics
Spherical Geometry
Parallel Lines & Transversals
Slope & Writing Equations
Triangles Congruency/Similarity

Second Semester:

Right Triangles & Trigonometry
Circle Basics
Arcs, Chords, Sectors & Angles
Angles of Polygons
Quadrilaterals & Similar Polygons
Area, Perimeter, & Volume of
Shapes: Prisms & Pyramids &
Cylinders, & Cones

Assignments

You will have an assignment daily. This is not busy work. Assignments are necessary for you to practice the new skills you have learned. It will be difficult to do well in this class without doing the assignments. Please dedicate time to completing your assignments. The more problems you work, the easier they will become. Do not copy someone else's assignment! Not only is this academic dishonesty and will earn you a **zero** for the assignment but more importantly... the person who does the work is the **ONLY** one who learns.

Late Work

We will check the assignment in class daily. Assignments are due at the beginning of class. Late work (unless you were absent) will be accepted at a reduced grade. Should you come to class without your assignment then your parents may be contacted about your performance.

Absences

Please try your best not to miss class as absences can make it easy to get behind on your assignments. If you are absent, it is your responsibility to get the assignments you missed and make-up your work on time.

When you are absent get any notes or work from the Google Classroom and ask a peer for their notes so you can copy what you missed. If you need help on the material, please attend tutoring immediately. You have one day for each day you were absent to make-up daily work. For example, if you are absent on Monday and return to class on Wednesday your make-up work will be due on Friday. Please see the student handbook for additional information regarding absences.

Please also note: a student will **not**, on the day of returning to school, be required to take a quiz or test that was announced during his/her absence. However, if a student is absent for only one day and a quiz/test was announced prior to the day he/she was absent, the student will be expected to take the quiz/test on the day he/she returns to school. For example, if a teacher announces on Monday that a test will be given on Friday and you are absent on Wednesday, you will be expected to take the test when you return to school on Friday. Keeping a calendar of your assignments and test dates will help you in this regard.

Retests

Students failing a test will be allowed to complete a retest for a maximum test score of 70. Before you are allowed to take a re-test, you must attend **at least one tutorial session** to go over your test. You must retest within **seven** calendar days after receiving a failing test grade. You will be allowed to take only one retest per test.

PLEASE NOTE: Teachers have the option of not retesting any student who attempts to take unfair advantage of the policy, such as:

1. Refusing to complete and submit assignments designed to prepare students for tests.
2. Habitually failing major tests on the first attempt and not taking advantage of re-teaching opportunities, student-teacher conferences, and/or parent-teacher conferences.

Cheating will not be tolerated!