



Geometry

Grand Haven High School



Course Number: E30A & E30B
Grade Level: 9-12
Credits : 1 credit
Prerequisite Courses : Algebra 1

Course Description

Geometry is a two-semester course that is required for graduation. Geometry stresses the ability to reason logically and to think critically. A scientific Calculator or graphing calculator is strongly recommended.

Geometry A focuses on logical thinking and proof, foundations of Euclidean Geometry, parallel and perpendicular lines, transformations, relationships and properties of triangles, and polygons and quadrilaterals.

Geometry B focuses on similarity, right triangles and Trigonometry, area and volume of two-dimensional and three-dimensional figures, circles, applications of Geometry, and probability.

Course Objectives

Both semesters will review and reinforce many of the topics covered in Algebra 1 and build skills in Visualization, Reasoning and Proof, Measurement, Coordinate Geometry, Transformations, Congruence and Similarity.

Student Expectations

Successful completion of Geometry requires consistent attendance, active participation in class, work completion, and responsibly checking Google Classroom for missed assignments, and best effort on quizzes and tests.

A positive attitude and good work ethic will bring positive results. All students and staff are expected to do their best in class daily. Respect for yourself, others, and the environment around you will also be expected from everyone in the classroom.

Communication

* Students are expected to regularly monitor their progress through the StudentVue and Google Classroom. Parents and students are encouraged to contact teachers through email or phone with any questions or concerns.

Building Behavioral Expectations

TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

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* The Math Lab is available for additional help.

Grading Policy

* Tests 50%

* Quizzes 30%

* Assignments/Participation 20%

Unexcused Absence Policy: If a student is absent and the absence is unexcused, they may receive a score of zero for any assignments or assessments (including homework, in-class activities, quizzes, tests, and other graded work) missed on that day.

Scope and Sequence

1st Semester

Chapter 1 Basics of Geometry

Chapter 2 Reasoning and Proof

Chapter 3 Parallel and Perpendicular Lines

Chapter 4 Transformations

Chapter 5 Congruent Triangles

Chapter 6 Relationships Within Triangles (select sections)

Chapter 7 Quadrilaterals and Other Polygons

2nd Semester

Chapter 8 Similarity

Chapter 9 Right Triangles and Trigonometry

Chapter 10 Circles

Chapter 11 Circumference and Area

Chapter 12 Surface Area and Volume

Chapter 13 Probability

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