



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, relationships and properties of triangles, polygons and quadrilaterals.

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

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, and Similarity.

Student Expectations

Students are expected to be active participants in their education, including completion of all assigned work, 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.

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!

GO BUCS

Communication

Students are expected to regularly monitor their progress through the Parent Internet Viewer and teacher blog sites. Parents and students are encouraged to contact teachers through email or phone with any questions or concerns.

Grading Policy

* Tests	50%
* Quizzes	30%
* Homework/Classwork	20%

Scope and Sequence

First Semester:

- Chapter 1: Tools of Geometry
- Chapter 2: Reasoning and Proof
- Chapter 3: Parallel and Perpendicular Lines
- Chapter 4: Congruent Triangles
- Chapter 5: Relationships within Triangles
- Chapter 6: Polygons and Quadrilaterals

Second Semester:

- Chapter 7: Similarity
- Chapter 8: Right Triangles and Trigonometry
- Chapter 9: Transformations
- Chapter 10: Area
- Chapter 11: Surface Area and Volume
- Chapter 12: Circles
- Chapter 13: Probability

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!

GO BUCS