

St, Martin High School
Standard Course Syllabus
Geometry
Mrs. Susan Bardwell

Course Textbook: Geometry/ Glencoe McGraw Hill

Course Goals: Students should enter Geometry with an understanding and the ability to solve linear equations and graph results, be familiar with quadratic equations, understand the Pythagorean Theorem, be able to Identify 2 and 3-dimensional shapes, and be familiar with the basic geometric formulas.

Upon completion, students will have **mastered** the basic concepts of geometry at the high school level.

Competencies:

1. Compute fluently and judge the reasonableness of a result in mathematical and real world situations with and without technology.
2. Understand relations, functions, and patterns and analyze change using various geometric properties.
3. Investigate, apply, and prove properties and theorems from postulates and definitions related to angles, lines, circles, polygons, and 2 and 3- dimensional figures. Explore applications of patterns and transformational geometry.
4. Select and apply various strategies, tools, and formulas to calculate length, surface area, volume, and angel measurements.

Units to be Covered:

Chapter 1- Tools of Geometry
Chapter 2- Reasoning and Proof
Chapter 3- Parallel and Perpendicular Lines
Chapter 4- Congruent Triangles
Chapter 5- Relationships in Triangles
Chapter 6- Quadrilaterals
Chapter 7- Proportions and Similarity
Chapter 8- Right Triangles and Trigonometry
Chapter 10- Circles

Methods of Instruction: Instructional methods will include, but are not limited to, lecture, discussion, visual presentations, outside assignments, class demonstrations, and assigned projects.

Methods of Evaluation: Methods of evaluation will include chapter tests, vocabulary tests, section quizzes, projects, homework, notebook checks, and spiral index cards.

Required Supplies: Notebook (pocketed/ 3 prong or 3 ring binder)
Paper
Pencil or pen
Spiral index cards
Small ruler (optional)

Grading Policy (Daily): Chapter tests- 40%
Vocabulary tests- 15%
Section quizzes- 15%
Project- 5%
Homework- 15%

Notebook- 5%
Spiral index cards- 5%

Grading Policy (Term): Daily average- 80%
Nine weeks exam- 20%

Discipline Plan: Since I believe that life-long success depends on self discipline, I have developed a classroom discipline plan that affords every student to manage his or her own behavior. Each student deserves the most positive educational climate possible for academic growth. Therefore, this plan will be in effect at all times.

Classroom Rules:

1. Follow directions the first time they are given.
2. Remain in your seat unless you have permission to do otherwise.
3. Remain on task; do not waste time.
4. Raise your hand and wait to be called on before speaking.
5. Refrain from grooming, eating, writing notes, tossing objects, or teasing others.

IF A STUDENT CHOOSES TO BREAK A RULE:

- 1st time: Warning.
- 2nd time: Conference with student and 50 problems.
- 3rd time: Break detention, 50 problems, and phone call to parents.
- 4th time: Before school detention, 100 problems, and phone call to parents.
- 5th time: Principal's office.

Severe disruption: Immediate referral to principal's office.