

Geometry: Course Syllabus

TEACHER
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I. **Course Description:** Geometry provides students with the skills outlined in the Maryland Core Learning Goals for Geometry. These skills include using logic to develop arguments, working with the postulates and theorems of Euclidian geometry, applying rules for parallel and perpendicular lines, identifying congruent and similar figures, classifying polygons, measuring angles and segments, writing proofs of triangle congruence, drawing, constructing, and performing plane transformations. This course is required for graduation.

II. **Course Content and Timeline** (subject to change): Algebra review will be scattered throughout the course.

1st Quarter

Chapter 1: Tools of Geometry
Chapter 2: Reasoning and Proof
Chapter 3: Parallel and
Perpendicular Lines

3rd Quarter

Chapter 7: Area
Chapter 8: Similarity
Chapter 9: Right Triangle
Trigonometry

2nd Quarter

Chapter 4: Congruent Triangles
Chapter 5: Relationships Within
Triangles
Chapter 6: Quadrilaterals

4th Quarter

Chapter 10: Surface Area and Volume
Chapter 12: Transformations
Chapter 11: Circles

III. **Materials:** Textbook: Geometry (Pearson Prentice Hall)
Textbook stays home most nights, Workbook comes to class daily
Notebook with dividers and loose leaf paper
Pencils
Scientific *or* Graphing Calculator (Needs **SIN** **COS** **TAN** buttons)
Compass, Straightedge (ruler), and Protractor

IV. **Grading Policy:** This course will be graded in accordance with the Eleanor Roosevelt High School Math Department Grading Policy.

80% - Tests, quizzes and projects

20% - Classwork and homework

Letter grades will be assigned as follows:

100 – 89.5 A

89.4 – 79.5 B

79.4 – 69.5 C

69.4 – 59.5 D

59.4 – 0 E

Tests will be given on Mondays and Wednesdays. Quizzes may be any day.