

# Geometry Syllabus 2016-2017

Greer Middle College Charter High School

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Teacher: Ella Kate Williams

Email: [ekwilliams@greermiddlecollege.org](mailto:ekwilliams@greermiddlecollege.org) (preferred method of contact)

Room: B14

Prerequisite: Completion of Algebra 1

## **COURSE DESCRIPTION:**

Geometry introduces the study of points, segments, triangles, polygons, circles, solid figures, and their associated relationships as a mathematical system. Emphasis is placed on the description and use of inductive, deductive, and intuitive reasoning skills. Powers of abstract reasoning, spatial visualization and logical reasoning patterns are improved through this course. Points, segments, triangles, polygons, circles, and solid figures are the structures studied. Attention will also be placed on comparisons between these figures concerning surface areas, volumes, congruency, similarity, transformations, and coordinate Geometry.

## **MATERIALS:**

- Glencoe Geometry 2012, all students will receive a school issued textbook
- Calculator. A scientific calculator is **required**; however having a graphing calculator is **encouraged**.
- **Pencils** students may not turn in quizzes or tests in pen.
- Composition Notebook. Students will be issued a notebook on the first day of school if they do not have one, but are expected to replace the one they are given.

## **REQUIREMENTS AND POLICIES:**

- Behavior: Follow all rules and requirements listed in the GMC student handbook.
- Preparation: Come to class each day, on time and prepared (with all materials required for that day).
- Absences: Students may have **five** absences for the entire year; unexcused absences in excess of five will result in no credit for the class. If a student is absent, please check the absence folder in Ms. Williams' room for missed work. Students that are absent will have up to 5 **school** days to make up any assignments.
- Productivity: Use class time to focus on the work and learning, and complete assignments as they are assigned.
- Cell Phones: Phones may only be used with explicit instruction from Ms. Williams. When students have permission to use phones they must use it ONLY for that purpose, no texting, surfing internet, etc unless instructed. Using technology in the classroom is a privilege that may be revoked at any time.
- Late Work: Complete and submit work on time. Late work will not be accepted for minor assignments. School policy will be followed for late major assignments.
- Restrooms: Students will be issued 2 bathroom passes per semester to use. There are eight minutes between each class, which should be sufficient time to take care of any restroom issues.

- **Honesty:** Students are responsible for the integrity of their work. Copying work and cheating will not be tolerated.
- **Office Hours:** Ms. Williams' office hours are on Mondays from 3:05-3:45 and otherwise by appointment. Students are encouraged to seek additional help during these hours. In the event of a major grade below 80, students will be given the opportunity to retest (please see handbook for more information).
- **Parent Portal:** Parents will be able to follow students' progress by checking grades on the Parent Portal. Please check students' grades regularly, and do not hesitate to contact Ms. Williams at [ekwilliams@greermiddlecollege.org](mailto:ekwilliams@greermiddlecollege.org) with concerns.
- **Website/Google Calendar:** See Ms. Williams' site and Google Calendar for more detailed information regarding notes, due dates, assignments and announcements.

<http://greermiddlecollege.org/faculty-staff/math/ella-kate-williams/>

### **GRADING SCALE: (SC Grading Scale)**

A: 100-90

B: 89-80

C: 79-70 \*No course credit will be given for final grades below 80.

D: 69-60

F: 59-0

### **COURSE ASSIGNMENTS:**

- **60% Tests/Projects/Portfolios:** Students will be given a final assessment on each unit. These assessments will consist of Portfolios, Tests, Projects or a combination of the last two. A study guide will be provided for every test and a rubric for every project/portfolio.
- **30% Classwork/Quizzes:** Quizzes will be given throughout each unit. Classwork consists of activities and assignments that are required to be completed during class.
- **10% Participation/Homework/USA TestPrep:** During class students may be asked to work in pairs, groups or independently and given grade for participation/completing the assignment/task. Homework will be assigned most days, though students will often have time in class to begin working on it. Each week by 10:00pm Sunday students will be required to complete a 10-15 question Benchmark via USA TestPrep. These Benchmarks will be graded on both completion and accuracy.

### **Course Outline and Timeline\*:**

#### **First Semester:**

##### ***Quarter 1***

Unit 1: The Basics

Unit 2: Transformations

##### ***Quarter 2***

Unit 3: Area, Perimeter, Surface Area, and Volume

Unit 4: Proof Basics

#### **Second Semester:**

##### ***Quarter 3***

Unit 5: Triangles

Unit 6; Trigonometry

##### ***Quarter 4***

Unit 7: Quadrilaterals

Unit 8: Circles

Unit 9: Data

*\*The stated timeline is subject to change at the discretion of the teacher.*