

# Geometry Syllabus

Kimberly Summey – Instructor

**Goal:** To help each student reach his/her highest potential in Geometry.

**Text:** *Geometry*, by Kanold, Burger, Dixon, Larson, and Leinwand, published by Houghton Mifflin Harcourt

## Topics of Study:

- Transformations and Congruence
- Lines, Angles, and Triangles
- Quadrilaterals
- Proofs
- Similarity
- Trigonometry
- Circles
- Measurement and Modeling
- Foundation Skills
- Factoring
- Probability, time permitting
- Conic Sections, time permitting

University School's Geometry course is aligned to the Tennessee State Standards for Mathematics. For more information on the state mathematics standards, visit [https://www.tn.gov/content/dam/tn/education/standards/math/stds\\_math.pdf](https://www.tn.gov/content/dam/tn/education/standards/math/stds_math.pdf)

**Materials:** A notebook dedicated to Geometry  
A pencil and eraser (for assignments)  
A pen (for grading and corrections only)  
Paper (Notebook paper and graph paper)  
Geometry Kit and full size protractor  
Textbook  
TI-84 calculator

\*\*We will use TI-84 Plus calculators in class. The TI-84 Plus calculator is currently approved for use on the End of Course mathematics tests in Tennessee as well as the ACT Exam. Students benefit from consistently using a familiar calculator. Calculators will be used on some assessments. If you already have a graphing calculator other than a TI-84 that you prefer to use, it will be your responsibility to learn the appropriate key strokes.

**Grading:** Tests, quizzes, and projects (as assigned), will be assigned a point value. Grades will be calculated by finding the percentages of points earned out of the total possible points.

**Homework:** Homework will be assigned regularly. Students are expected to attempt all assigned problems and ask questions about homework as it is discussed in class. Homework, along with the list of objectives for each section, should serve as a study guide for quizzes. Quizzes should serve as a study guide to tests. Tests should serve as a study guide for Quarter and Semester Exams.

**Final Grades:** Final grades will be calculated as follows:

Final Grade: 1st Semester 42.5 %  
2nd Semester 42.5 %  
Geometry EOC (state of Tennessee) Exam 15%

1st Semester Grade: 1st Quarter 40 %  
2nd Quarter 40 %  
1st Semester Exam 20 %

2nd Semester Grade: 3rd Quarter 40 %  
4th Quarter 40 %  
2nd Semester Exam 20 %

**Extra Assistance:** Students are encouraged to attend the math lab, as needed. You do not need to register to attend the lab. If your study hall is at noon rather than 12:30, you will need to eat lunch at 12:00 so you can attend the math lab at 12:30. The lab is open from 12:35-1:00 on Monday, Tuesday, Thursday, and Friday. The schedule for the lab is posted at the front of Ms. Summey's classroom near the door. If Mrs. Summey is absent, the math lab will be closed.