

# **Geometry**

## Course Syllabus

Mrs. Daniel

Fall 2020

### **Course Description**

Geometry is the third course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of geometry with correlated statistics applications.

The standards in the three-course high school sequence specify the mathematics that all students should study in order to be college and career ready. Additional mathematics content is provided in fourth credit courses and advanced courses including pre-calculus, calculus, advanced statistics, discrete mathematics, and mathematics of finance courses. High school course content standards are listed by conceptual categories including Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Conceptual categories portray a coherent view of high school mathematics content; a student's work with functions, for example, crosses a number of traditional course boundaries, potentially up through and including calculus. Standards for Mathematical Practice provide the foundation for instruction and assessment.

### **Course Outline**

1. Transformations in the Coordinate Plane
2. Similarity, Congruence, and Proofs
3. Right Triangle Trigonometry
4. Circles and Volume
5. Geometric and Algebraic Connections
6. Applications of Probability

### **Textbook Information**

There is one book used in this course entitled *Geometry* published by McGraw Hill Publishing Company. You are responsible for your book. Replacement cost for *Geometry* is \$90.00. Additionally, each student will be assigned a graphing calculator. If your graphing calculator is lost or broken, it is your responsibility, and the replacement cost is \$100.00. Additionally, students may also use a scientific calculator. If it is lost or broken, it is your responsibility and the replacement cost is \$20.00.

### **Classroom Rules**

1. Bring all needed materials to class.
2. Upon entering the classroom, have a seat quietly, get out your homework, and start working on the warmup. Calculators and sharpened pencils should be taken care of at the beginning of class.
3. You should stay in your seat unless you have permission to do so otherwise. Be respectful of others!

### **Grading**

Students enrolled in year-long Geometry & Geometry support will attempt to earn a half-credit in both the content course and the support course at the conclusion of the first semester. Students will then attempt to earn

another half-credit in each section (content and support) in the second semester. The goal is to earn a full math credit (Algebra I, Geometry, or Algebra II) as well as a full academic elective credit (Algebra I Support, Geometry Support, or Algebra II Support). Please note, Algebra I Support, Geometry Support, and Algebra II Support classes are not required for graduation, but they do count towards a student's HOPE scholarship GPA.

#### Nine Weeks Average

- 60% of your grade will be derived from summative assessments, such as tests, projects, and vocabulary quizzes.
- 40% of your grade will be derived from formative assessments, such as homework and daily work

#### Year-Long Average

- 40% 1<sup>st</sup> Semester
- 40% 2<sup>nd</sup> Semester
- 20% EOC Assessment (End of Course Assessment)

#### Homework

Homework is considered an essential part of learning mathematics. In order to be successful in this class, you must do your homework on a DAILY basis. Failure to complete homework will result in a “0” for every missed assignment. Grading of homework will be based sometimes on completion and sometimes on accuracy. As a result, it is important for you to do your best work on every assignment.

#### Tutoring

If you need or want some extra help after school, please come and talk to me. I can schedule you in.

#### Make-Up Work

*It is your responsibility to find out if assignments are made during your absence.* You should contact me about missed work at an appropriate time, i.e. not during instruction.

#### Classroom Materials

- Notebook binder with paper
- Pencils and Pens
- Optional Scientific/Graphing Calculator- I will have a class set that will be assigned to you for your classroom use.

#### Class Expectations

- When the bell rings, all students are expected to be seated and ready to check homework and start on the warmups. Failure to do this will result in disciplinary action.
- Working together is acceptable and even encouraged when appropriate. However, students caught cheating or helping others to cheat will be disciplined according to the academic honesty policy.
- No food or drink other than water is allowed.
- Do not take out makeup, hairbrushes, or mirrors during class. Those are bathroom items not classroom items.
- Show your work. Problems that require explanation and/or many steps will require you to show your work to receive full credit. (Show **no** work, and receive **no** credit.)
- No electronic devices are to be used at any time during class without express teacher permission. Students who have any electronic device out without permission will be disciplined according to the student code of conduct.
- All students should go to the restroom during break. Parent contact will be made should this become a problem.

- All school policies located in the Pickens High School students' code of conduct are in effect at all times.

**Consequences**

1<sup>st</sup> offense-Verbal Warning

2<sup>nd</sup> offense-Teacher-Student Conference

3<sup>rd</sup> offense-Parent Contact

4<sup>th</sup> offense- Administrative Referral

**Student and Parent Contract**

Students and Parents,

Please read and sign that you have read the syllabus for the 2016-2017 school year.

Thank you,

Mrs. Daniel

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Student Name (Please Print)

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Parent/Guardian Name (Please Print)

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Student Signature

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Parent/Guardian Signature

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Date

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Date