**Geometry**

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**What is Geometry?**

Geometry is the mathematics of the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Geometry gives us methods and approaches for solving problems we may encounter in our daily lives. Geometry is EVERYWHERE!!

**Essential Understandings:**

Students will be able to:

1. Apply geometric thinking to problem solving.
2. Apply properties of perpendicular and parallel lines.
3. Apply properties of triangles.
4. Apply properties of quadrilaterals and other polygons.
5. Apply similarity in relation to transformations and right triangle trigonometry.
6. Solve problems involving two and three dimensional figures.
7. Apply properties of geometric transformations.

**Class Procedures:**

1) Be prepared for class by having the necessary supplies--paper, pencil, calculator, homework

YOUR CHROME BOOK and a positive mindset.

2) Be attentive and participate in group discussions, lectures, assignments and projects.

3) Work efficiently during homework/classwork time.

4) Obey the cell phone policy pertaining to Ray-Pec High School. There will be a safe container for students to place their phones during class so that they won’t be tempted to use them

 **Required Materials:**

Each day you will need: Chrome Book, paper, pencils, textbook or on-line, and a scientific calculator.

**Online Textbook Information**

You may access a full version of the textbook used in this course online at www.bigideasmath.com

This site also provides video tutorials and homework help.

**Homework and Proficiency Checks (PC’s):**

You will be expected to complete daily assignments for this course. Homework can be corrected as many times as needed during the corresponding chapter. Proficiency checks will be administered during the chapter to assess depth of knowledge. PC’s may be retaken if homework grades are 80% or better, corrections are made to the PC and the student attends 1 Panther Time (with any math teacher) prior to retaking the PC.

**Assessments:**

Summative tests will be administered at the end of each unit. Any test not taken on the test date will be recorded as zero until the student has completed the test at a time scheduled with the teacher.

**LATE WORK POLICY (See RPHS Policy)**

At Raymore-Peculiar High School, academic achievement, student responsibility, and student success are of paramount importance. Therefore, all assignment deadlines will be strictly adhered to as defined by the classroom teacher.

**Course Grades:**

Grades for this course will be divided into 3 categories:

· Formative Assessments – 25% of the total grade

· Summative Assessments – 65% of the total grade

· Homework -- 10% of the total grade

*Each six-week grade is cumulative. The semester grade is then calculated using 90% of the cumulative course grade and 10% of the final exam grade.*

**RPHS Grading Policy:**

A 93 – 100 B- 80 – 82 D+ 68 – 69

A- 90 – 92 C+ 78 – 79 D 63 – 67

B+ 88 – 89 C 73 – 77 D- 60 – 62

B 83 – 87 C- 70 – 72 F 0 – 59