**2014-2015 GEOMETRY COURSE OUTLINE**

**What is Geometry?**

Geometry is the study 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**

In this course you will:

* Apply inductive and deductive reasoning to form or verify conjectures
* Use similarity and congruence properties to analyze transformations of objects
* Justify and apply formulas, including the Pythagorean Theorem
* Apply properties of two- and three-dimensional figures to solve problems

**Supplies**

Please bring the following materials to class (unless otherwise instructed):

* Textbook (Geometry, Holt, Reinhart and Winston, 2007)
* Notebook paper and Pencils
* A box of Kleenex to be used for class project ***(The first week of school!)***
* 3-ring binder (preferable 1 ½ inch width)
* Scientific Calculator (Texas Instruments TI30X model is recommended—approx $12)

**On-line Textbook Information and Homework Video Location**

You may access a full version of the textbook used in this course online at <http://my.hrw.com>. This site also provides video tutorials and homework help. It also contains the videos you will be watching at home! (Do not use www in the web address)

Username: **rpmath** Password:  **rpmath**

**Methods to Succeed**

* Take notes over all lectures and discussions
* Turn in completed work on time
* Study for exams
* Contribute to class discussions
* Actively engage in learning
* Have a positive, can-do attitude daily

***Respect yourself, others and your environment.***

**Formative Assessments – Assignments and Proficiency Checks (PCs)**

You will be expected to complete assignments for this course daily. These assignments allow you the opportunity to *practice* the skills taught during class. *Assignments will be checked on a regular basis.*

You will be given the opportunity to demonstrate proficiency over the material in this course on a regular basis on proficiency checks (quizzes). You will be allowed one retake per PC and have until the chapter test to retake the PC. Proficiency check retakes will be arranged on an individual basis, all homework for the unit must be completed before a retake and may require mandatory tutoring.

**Summative Assessments – Chapter Tests**

Summative assessments will be given at the conclusion of each unit. **Summative assessments are not available to be retaken**. If you miss only the review day before a scheduled test, you may choose to take the test with the rest of the class or schedule a time after school to make up the test.

**Course Grades**

Grades for this course will be divided into two general categories:

* Practice (Homework) – worth 5% of the total grade
* Formative Assessments (PC’s) – worth 20% of the total grade
* Summative Assessments (Chapter Tests)– worth 75% 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

**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. Students who fail to submit any work at the time of a deadline can expect that a zero will be entered for their grade.

**REDO POLICY (See RPHS Policy)**

Throughout the course of the semester, students will be afforded three opportunities to redo assignments which they did not complete or submit by the required deadline. Before students are allowed to redo any material, they will be required to visit with the classroom teacher to establish a strategy that must be fulfilled to demonstrate their efforts to relearn the information. In order to begin the relearning process, it will be the sole obligation and responsibility of the student to visit with the classroom teacher within one week of receiving a score on the original assignment.

**Extra Help**

You may come in for extra help from me (room S221) whenever needed. Please try to schedule time in advance so that it does not conflict with other meetings. Also, please utilize the web site for additional practice and tutorial videos.