

Geometry Syllabus

Mrs. Raines

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Course Description: This course is a study of Geometric structure, congruence, similarity, and measurement. The class further explores proof writing using theorems, postulates, and logic properties, along with various formulas of measure. Additional topics include: parallel and perpendicular lines, logic, defined terms, triangular relationships, congruence, similarity, trigonometry, quadrilaterals, circles, area, volume, surface area, and geometric probabilities.

This information sheet will tell you how our class is organized and what is expected of you. Save this sheet and place it in your notebook.

Student Responsibilities

1. **Bring to class daily:** Book, Notebook, Pencils, Graph Paper, Calculator, Drawing Tools, Geometer

Class time is important. Bring needed items every day.

2. **Arrive on Time.** Tardy = Referral.

3. **Notebook.** Use a three ring binder with loose-leaf paper and dividers. Divide as follows:

- Information and Grades – this sheet and a grade page for each grading period.
- Reference – contains any reference pages, fact sheets, Mastery Monday, and ACT prep.
- Class Notes & Assignments – contains daily notes, examples, handouts, worksheets, and assignments. Please keep in chronological order, either direction.
- Constructions – contains drawings done with compass and straight edge.
- Theology – contains a list, we will build all year by chapter, of Scripture and Theological thoughts represented by our Math concepts.

A pencil pouch in the front of the notebook is a convenient and safe place to store the loose items you should bring to class – calculator and compass.

4. **Assignments.** Do assignments on loose-leaf paper in **pencil**. Show all work and attempt all problems. Correct all assignments to the side of the original. Do not erase the mistakes- we can learn from them. Include the date, page, and assigned problems on the top of the assignment, and keep work in the notebook in chronological order. This will help with notebook checks. Each assignment is worth 5 points on a Notebook check.

Homework is usually assigned daily. Its goal is to practice the day's lesson in a variety of models.

5. **Participate fully in all class activities.**

6. **Review for tests.**

7. **Complete assignments missed when absent.** Meet with me to get help and check work.

8. **Get extra help if needed.** Come by to get a tutorial pass if you need to get extra help. I will also be available during lunch.

9. **Cheating is not for us.** All work should be the work of you as the individual student, unless group work was assigned. Tests, quizzes, and projects are individual performance opportunities.

Grading System

Grades are based on total earned points divided by the total assigned points.

Grades come from quizzes - 25 or 50 points per chapter, chapter tests – 100 points, and notebook checks – 50 points.

- Quizzes may or may not be announced.
- Tests are preceded by a review and generally occur on Friday's.
- Notebook checks are a selection of problems from the homework assignments. These are graded for accuracy. This should be a free 100% for everyone.
- Projects are throughout this class. And there is another major project closely tied to the class curriculum that we will introduce soon. It will include a paper, presentation, an explained math

problem, a student made worksheet, and a teaching visual. The grade for this project will be entered into the 4th quarter grade and is worth 160 points.

- Late work will have an 11% penalty.

Make-up work

If a student is absent, the missed work must be made up. The student should schedule a time for making up tests, quizzes, and notebook checks.

If a student is absent or checks out on the day of a scheduled grade, he or she should check with me about a make-up time. If this is a known absence, the student should make a plan prior to the absence.

If a student schedules a make-up and fails to show, the late work penalty will apply.

Other procedures

- Respect self, teacher, classmates, and property.
- Participate in discussions with appropriate responses on topic.
- Practice self control. Referrals will be given for repeated disruptions.