**Geometry**

**2024-2025**

**Mrs. Barmore**

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**Algebra 2 Course Overview –** This Geometry course includes the study of plane, solid, and coordinate geometry as they relate to mathematical concepts and real-world problem-solving situations. Students will acquire and demonstrate knowledge of concepts, definitions, properties, and applications of the topics listed below as well as develop the computational skills and strategies needed to solve problems.

**Grading Policy**

Quarter grades:

* 10% Homework, Bell Ringers, Checkpoint/Quizzes, and all other in class work.
* 90% Tests

**Grading Scale**

A 90 - 100%

B 80 - 89%

C 70 - 79%

D 60 – 69%

F 0 – 59%

**Homework**

Homework is given on a regular basis and is an important part of this course. Late assignments will be accepted for half credit, if turned in by the end of the current chapter. The last day to turn in any work from a chapter is the day of the test.

**Specifics**

* Students may retake any chapter test for full credit one time. All homework assignments for the unit must be turned in before a test retake. Preparedness for the second, more rigorous, assessment will be at the teacher’s discretion and may include additional practice session(s) outside of class time. Re-takes must be taken outside of class and scheduled with the teacher and completed before the end of the semester. Re-take scores will replace the original score.
* Notes are a required part of this class. You should have a section in your notebook for notes and a section for homework.
* I am available for help before zero period, first period, and after sixth period.
* Bring your book, pencil, and calculator every day to class.

**The following topics will be covered throughout the year.**

* Reasoning and Proof
* Parallel and Perpendicular Lines
* Congruent Triangles and Relationships in Triangles
* Quadrilaterals
* Proportions and Similarity
* Right Triangles and Trigonometry
* Transformations and Symmetry
* Areas of Polygons and Circles
* Surface Area and Volume
* Probability and Measurement

Glencoe Geometry will be used throughout this course. Supplemental materials will also be used to reinforce student learning. A scientific calculator is required for this course.