**Geometry Syllabus 2022-2023**

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**Geometry 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.

**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

 **Quarter Grade – Grading Scale**

90% Tests

10% Homework, bellringers, checkpoints, and all other in class work.

Specifics

* Students may retake any chapter test for full credit on time. Preparedness for the second, more rigorous assessment will be at the teacher’s discretion and may include additional practice sessions 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.
* I am available for extra help before zero period, second period, fifth period, and after sixth perio
* Homework is given on a regular basis and is an important part of this course. Assignments will be collected daily. Late assignments will be accepted if turned in by the end of the current chapter. It is essential to organize your homework, notes, and in class work in a notebook.

Prerequisites: Algebra 1 and Geometry completed with a passing grade.

Textbook: 2 Big Ideas will be used throughout this course.

Supplemental materials will also be use to reinforce student learning.

A scientific calculator is required for Geometry.