**Math 1 Honors Syllabus 2023-2024**

**Mrs. Barmore email:** **sbarmore@helenaschools.org**

**Course Overview –** Math 1 Honors consists of Algebra 1 and half of Geometry. Algebra 1 focuses on variables, algebraic expressions, algebraic equations, inequalities, and functions. The geometry course includes the study of plane, solid, and coordinate geometry. Students will acquire and demonstrate knowledge of concepts, definitions, 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.**

 **Algebra 1**

* Expression, Equations, and Functions.
* Linear Equations, Functions, Inequalities.
* Systems of Linear Equations and Inequalities.
* Exponents and Exponential Functions.
* Quadratic Expressions, Equations, and Functions.
* Radical Equations and Functions.
* Rational Functions and Equations.
* Statistics and Probability

**Geometry**

* Tools of Geometry.
* Parallel Lines and Angles.
* Quadrilaterals
* Circles.
* Areas of Polygons and Circles.
* Surface Area and Volume
* Probability.

**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, sixth period, and after sixth period.
* 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.

Textbook: Glencoe Algebra 1 and Geometry textbooks will be used throughout this course.

Supplemental materials will also be used to reinforce student learning.

A graphing calculator (TI -84 plus) is required for Honors Math 1.