**Algebra 2 Syllabus 2023-2024**

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**Algebra 2 course overview -** Algebra 2 focuses on graphing, transforming, and interpreting functions. The functions studied are linear, quadratic, polynomial, radical, exponential, rational, and trigonometric functions.

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

* Linear Functions
* Quadratic Functions
* Quadratics Equations and Complex Numbers
* Polynomial Functions
* Rational Exponents and Radical Functions
* Exponential and Logarithmic Functions
* Rational Functions
* Trigonometric ratios and functions
* Data Analysis and Statistics

 **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.

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

Textbook: Algebra 2 Big Ideas 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 Algebra 2.