

Algebra 3 Syllabus

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Course Description

Algebra III is a course meant to prepare students for higher level math courses such as College Algebra or Calculus. We will review many of the concepts from Algebra II while working to build strong thinking and reasoning skills which are necessary to succeed not only in college, but also in most careers. We will see how the topics you've seen so far in math come together to make connections to the world outside the classroom.

Technology

TI-84CE plus graphing calculators will be used during the class as well as the school provided chromebooks. Students are expected to always have their computer with them.

Classroom Expectations

- Be on time and prepared to learn
- Be on task
- Respect the classroom, your peers, and yourself
- Be responsible for your own learning

Student Practice

Students are expected to complete all homework problems to the best of their ability. If they need additional support, they can refer to the additional resources listed below.

Students will take regular assessments. These are short and are intended to check for understanding of concepts and skills that were recently taught. Students are required to make all corrections when the assessments are returned to them.

Required Materials

- Binder/notebook/folder
- Loose Leaf Paper
- Pencil
- Expo Markers

Additional Resources

- Students will have access to videos posted to Google Classroom for support
- Students can log in to Khan Academy for videos and practice on topics
- Students have the option to come to tutoring Tuesday and Thursdays after school

Course Outline:

Term 1: Functions, Exponential Functions, Logarithmic Functions

Term 2: Polynomial Functions, Rational Functions, Radical Functions, Piecewise Functions

Term 3: Systems of Equations, Matrices, Trigonometric Functions

Term 4: Graphing Trigonometric Functions, Trigonometric Identities, Sequences and Series

Reteach-Retest Policy:

Students may Retest on a test once they have shown evidence of learning the missed material through corrections and extra practice.

Grading:

Students need to give their very best effort at all times. Grades are awarded based on effort and understanding. I **DO NOT** give extra credit. Powerschool will be updated each unit.

Each Unit will consist of AT LEAST 3 grades.

- Homework
- Quiz or Activity
- Test

Make-up Work

Students are expected to take responsibility for their make-up work. Upon return, students are to check the Google Classroom for assignments that they missed.

Handouts, notes, and paper assignments will be found in the absent folder for their class period and are expected to be retrieved at the beginning of class when they return.