



Mr. Fielbrandt & Mrs. Elias

Algebra 2 - Trigonometry & Analytic Geo

Sterling Heights High School
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Algebra 2

Topics to be covered:

Semester 1:

- Polynomials Functions
- Quadratic Functions
- Rational Functions
- Matrices (if time)

Semester 2:

- Exponential Functions (including Rational Exponents)
- Log Functions
- Absolute Value Functions
- Piecewise Functions
- Composition Functions
- Statistics & Trigonometry Introduction (if time)

Trigonometry & Analytic Geo

Topics to be covered:

Semester 1: Trigonometry

- Trigonometric Functions
- Acute Angles and Right Triangles
- Radian Measure and Circular Functions
- Graphs of the Circular Functions
- Trigonometric Identities
- Trigonometric Equations
- Applications of Trigonometry and Vectors

Semester 2: PreCalc

- Vectors in the Coordinate Plane
- Polar Coordinates and Complex Numbers
- Conic Sections and Parametric Equations
- Functions from a Calculus Perspective
- Estimating Limits Graphically and Algebraically

The best way to help your student be successful:

- ✓ Help them be present and on time every day (both in person & on line)
- ✓ Help them reduce outside distractions during class and while studying/participating from home
- ✓ Make sure they have a 3-ring binder and keep it organized
- ✓ Make sure they utilize all the resources on Schoology if they have any questions
- ✓ Stay up-to-date with Parent Portal

The two most important class rules:

- ✓ No Hate
- ✓ No Phones (when in person)