



# Sterling High School

**Course Name: Statistics/Trigonometry**

**Department: Math**

**Teacher: Mr. Zimmerman**

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**Prerequisites: Algebra II**

**Additional Required Materials: Graphing Calculator**

**Course Description:** This course will spend one semester covering the mathematics of statistical analysis and one semester covering trigonometry. Statistical topics to be covered will include, but not be limited to, data collection & compilation, statistical presentation, population sampling and studies, normal distribution, binomial distribution, and hypothesis testing. Trigonometric topics to be covered will include, but not be limited to, classic right-triangle trigonometries, unit circle trigonometry, and higher-order problem solving involving trigonometric skills.

This course will serve as an excellent preparation for college mathematics courses in statistics, college algebra, or pre-calculus and will also serve as an excellent preparation course for our calculus course.