

Infinity Project

The Infinity Project is designed to complement existing math and science credits. Requirements are Algebra II and one science credit. Students learn firsthand how to use math and science to create and design a variety of exciting technologies that focus on topics such as: the internet, cell phones, and electronic music.

Pre-Calculus

In Pre-Calculus, students continue to build on their previous mathematical knowledge and experiences. Students use functions as well as symbolic reasoning to connect ideas in Analytical Geometry, Trigonometry, and College Algebra. Students use a variety of representations, tools, and technology to model functions and equations and solve real-life problems. In the fall semester, concurrent credit is received for College Algebra through TVCC.

Calculus I and II

Calculus I is taken in the fall semester and II in the spring. This is a course that receives concurrent credit through TVCC. Calculus is a prerequisite and building block for college majors such as architecture, business, science, mathematics, medicine, and engineering.

Math Faculty Background and Interests:

Chris Caronna graduated from Howard Payne University. He is the athletic trainer, handling all the sports medicine needs of the district. He is currently in his seventeenth year of teaching and enjoys golf and fishing.

David Glosup graduated from the University of Texas at Dallas in 2009. He is currently in his first year of education teaching Geometry and Precalculus. In his spare time, he enjoys riding motorcycles and playing disc golf.

Heather Holloway graduated from the University of Texas at Dallas in 2005. This is her seventh year of teaching. She teaches Algebra I and II. Heather enjoys spending time with her husband and two sons.

Chad Martinez graduated from the University of Texas at Dallas. He is currently in his tenth year of teaching and his fifth at Eustace. He also serves as head boys basketball coach and assistant track coach for the Bulldogs. He teaches Math Models and Algebra II.

Eddie Schieffer graduated from Howard Payne University and is in his fifteenth year of public education. He enjoys serving at his church, traveling, playing percussion, and spending time with his wife and two children.

Eustace High School



The Department Of Mathematics

Chris Caronna
David Glosup
Heather Holloway
Chad Martinez
Eddie Schieffer



Algebra I

- Patterns and Sequences
- Rational Numbers
- Square Roots
- Properties of Algebra
- Solving Equations
- Proportions
- Probability
- The Coordinate Plane
- Relations and Functions
- Slope, Midpoint, and Distance of Lines
- Graphing Linear Equations
- Linear Inequalities
- Systems of Equations
- Monomials and Polynomials
- Scientific Notation
- Geometry (Area and Volume)
- Exponential Functions
- Factoring and Quadratic Formula

Geometry

Investigate the following:

- Coordinate Plane
- Using Formulas
- Measuring Segment
- Midpoints and Congruence
- Exploring Angles/Triangles
- Exploring Parallelograms
- Simplifying Radicals
- Inductive Reasoning
- If/Then Statements
- Inequalities for Sides/Angles
- Squares, Rhombi, Trapezoids
- Using Proportion
- Parallel Lines
- Parts of a Circle
- Parts of Similar Triangles
- Angles, Arcs, and Chords
- Tangents and Angle Measures
- Tessellations

Math Models

The Math Models with Applications curriculum is designed to further develop, practice, and implement concepts begun in algebra and geometry. Through hands-on, real-life applications, students will be given a greater opportunity to master higher-level applications and to develop more fully quantitative reasoning skills.

Algebra II

- Investigate linear changes and their meanings
- Identify/interpret linear graphs
- Solve and graph absolute value functions
- Compare parallel, perpendicular, correlation, domain, and range
- Construct/interpret circle, bar, and line graphs
- Solve, derive, and formulate linear equations
- Solve quadratics by graphing, factoring, synthetic division, completing the square, and quadratic formula
- Simplify rational expressions
- Graphing parabolas and conics
- Communicate graphical ideas and make conclusions using tools
- Review and apply geometry concepts and measurement to algebraic word problems that relate to real world problems
- Trigonometric ratios
- Solve logarithmic, exponential, and square root equations