

Math 8

Students will focus on formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; and analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Modern Math

This course introduces students to topics in modern mathematics as they apply to real-world contexts. The course extends students' understanding of the mathematics developed in Algebra 1 and Geometry. The course is intended to help students develop an understanding of how mathematics describes and explains the world in which they live. Students will extend their mathematical literacy, problem-solving skills, and enthusiasm for the power and beauty of mathematics as a tool for quantifying their world.

Secondary Mathematics III

Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.

MATH 1050-College Algebra (concurrent enrollment through SUU)

Course description: This course explores the concept of functions: polynomial, rational, inverse, logarithmic and exponential; with an emphasis on graphing. Solving systems of equations using matrix methods is covered along with conic sections. Other topics may include sequences, mathematical induction and the binomial theorem. The course involves the extensive use of graphing calculators.

Prerequisite: Successful completion of Secondary Math III