

Mathematics Courses

6th Grade Math

This course is intended to teach students operations with fractions, rational numbers, and integers, applied problems using decimals, percentages and rational numbers, introduction to exponents, coordinate plane, writing and simplifying expressions, solving equations, measurement and converting between measurement systems, basic geometric properties and transformations, and probability.

7th Grade Math

This course will prepare students for Algebra I in the 8th grade. This course will teach students to understand proportional, inversely proportional and linear relationships, understand geometric objects and similar polygons, volume and surface area, use and interpret data, understand non-linear and quadratic functions, use the Pythagorean Theorem and concepts of transformation and symmetry, and understand probability and data concepts.

Algebra I

Required for students in grade 8

Credit: Successful completion of this year long course will result in 1 earned high school Math credit. This is a Michigan Merit Curriculum required course.

This is a required course with an emphasis on formulas, first and second degree equations, graphs, and word applications. Other topics include exponential functions, radicals, inequalities, rational expressions, quadratic equations, and polynomial patterns.