



Math Department Courses

Honors 5th Grade Math

2 semesters | 1 credit

In this 5th Grade Math course, students build upon their foundational knowledge of arithmetic and begin to explore more advanced concepts. We cover a wide range of topics, including operations with decimals and fractions, geometry, algebraic thinking, and data analysis. Through a variety of learning activities, such as problem-solving exercises, group discussions, and hands-on projects, students deepen their understanding of mathematical concepts and develop their critical thinking and analytical skills. By the end of the course, students are better equipped to tackle complex math problems and be prepared for success in their future math courses. They are able to think abstractly, reason logically, and communicate their mathematical ideas with clarity and precision. Students will be challenged to push themselves academically, think creatively, and develop a deeper understanding of the beauty and complexity of mathematics. Overall, this course is designed to foster a love of mathematics and inspire students to confidently pursue learning in 6th Grade Math.

Honors 6th Grade Math

2 semesters | 1 credit

In this 6th Grade Math course, students learn about a wide range of topics, including fractions, decimals, percentages, geometry, algebraic expressions and equations, and statistics and probability. They engage in collaborative problem-solving activities, participate in group discussions, and complete challenging individual assignments. By the end of the course, students are better equipped to tackle complex math problems and are prepared for success in their future math courses. They are able to think abstractly, reason logically, and communicate their mathematical ideas with clarity and precision. Students are challenged to push themselves academically, think creatively, and develop a deeper understanding of the beauty and complexity of mathematics. Overall, this course is designed to foster a love of mathematics and inspire students to confidently pursue learning in 7th Grade Math.

7th Grade Honors Math

2 semesters | 1 credit

In this 7th Grade Math course, students study a wide range of mathematical concepts and problem-solving strategies. Topics studied include operations with rational numbers, algebraic expressions and equations, geometry, statistics and probability. They engage in collaborative problem-solving activities, participate in group discussions, and complete challenging individual assignments. By the end of the course, students will be better equipped to tackle complex math problems and be prepared for success in their future math courses. They will be able to think abstractly, reason logically, and communicate their mathematical ideas with clarity and precision. Students will be challenged to push themselves academically, think creatively, and develop a deeper understanding of the beauty and complexity of mathematics. Overall, this course is designed to foster a love of mathematics and inspire students to confidently pursue learning in Honors Pre-Algebra.



Honors Pre-Algebra

2 semesters | 1 credit

In this Honors Pre-Algebra math course, students take on more advanced algebraic concepts. Throughout the year, students explore topics such as integers, fractions, decimals, exponents, variables, and equations. In this course, students will be challenged to think critically and creatively about mathematical concepts and apply their knowledge to real-world problems. They engage in collaborative problem-solving activities, participate in group discussions, and complete challenging individual assignments. By the end of the course, students have a deeper understanding of algebraic concepts and are prepared for success in future math courses. They will be able to think abstractly, reason logically, and communicate their mathematical ideas with clarity and precision. Students will be challenged to push themselves academically, think creatively, and develop a deeper understanding of the beauty and complexity of algebraic concepts. Overall, this course is designed to foster a love of mathematics. Students who successfully complete this course are prepared to confidently pursue learning in Pre-AP Algebra I.

Pre-AP Algebra I

2 semesters | 1 High School Math credit

In this Pre-AP Algebra I course, students explore topics such as linear equations, inequalities, functions, and polynomials. In this course, students will be challenged to think deeply and critically about mathematical concepts and apply their knowledge to real-world problems. They engage in collaborative problem-solving activities, participate in group discussions, and complete challenging individual assignments. By the end of the course, students have a deeper understanding of algebraic concepts and are prepared for success in future math courses. They will be able to think abstractly, reason logically, and communicate their mathematical ideas with clarity and precision. Students will be challenged to push themselves academically, think creatively, and develop a deeper understanding of the beauty and complexity of algebraic concepts. Overall, this course is designed to prepare students for the rigor and challenges of higher-level math courses to help them develop a love for mathematics. Students who successfully complete this course are prepared to confidently pursue learning in Pre-AP Geometry.