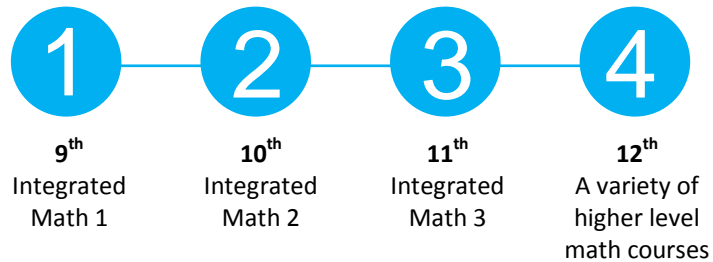


9th GRADE MATH PLACEMENT

TRADITIONAL MATH PATHWAY



INTEGRATED MATH 1

Integrated Math 1 builds on the Math 8 standards and is more advanced than the previous Algebra 1 course. Because many of the topics previously included in the former Algebra 1 course are now in Math 8, the new Integrated Math 1 course typically starts in ninth grade with more advanced topics and includes in-depth work with (1) linear functions, (2) exponential functions and relationships, (3) modeling, (4) congruent figures, and (5) statistics beyond the previous high school standards. Integrated Math 1 builds directly on the continuation of the Math 8 standards and provides a seamless transition of content through an integrated curriculum. This provides an opportunity for students to strengthen conceptual understanding and presents mathematics as a coherent subject by blending standards from different conceptual categories.

To learn more about 9th grade math placement and the Summer Bridge opportunity, please visit bit.ly/CNUSDsummerbridge

INTEGRATED MATH 1 ENHANCED

Although the current California standards are more rigorous than California's previous standards for mathematics, there will still be some students who are able to move through the mathematics quickly. These students may choose to take an accelerated or enhanced mathematics program so they can take college-level mathematics in high school. Integrated Math 1 Enhanced is the first step in this process. Integrated Math 1 Enhanced students will be extending their knowledge of all the concepts they learned in Math 8 as well as learning new concepts. The Integrated Math 1 Enhanced course will focus on topics in the following areas: (1) linear functions, (2) exponential functions and relationships, (3) modeling, (4) congruent figures, and (5) statistics beyond the previous high school standards.

MATH 8

The California Math 8 standards are of significantly higher rigor than the Algebra 1 course that many students in previous years may have taken. The Math 8 standards address the foundations of algebra by including content that was previously part of the Algebra I course, such as (1) in-depth study of linear relationships and equations, (2) formal treatment of functions, (3) exploration of irrational numbers, and (4) solving systems of linear equations in two variables graphically and algebraically. The California Math 8 standards also include geometry standards that relate graphing to algebra in a way that was not explored previously. In addition, the statistics presented in Math 8 are more sophisticated than those previously included in intermediate school and connect linear relations with the representation of bivariate data.

INTEGRATED MATH 2

Integrated Math 2 builds on the Integrated Math 1 standards and continues to the seamless transition of content through the grade levels. Integrated Math 2 extends students' knowledge in the following areas: (1) quadratic expressions, equations, and functions, (2) comparing the characteristics and behavior of linear, quadratic, and exponential functions, (3) similar figures, circles, and right triangle trigonometry, and (4) conditional probability and counting methods.

INTEGRATED MATH 2 ENHANCED

In this second step of the Enhanced pathway, students will be extending their knowledge of all the concepts they learned in Integrated Math 1 Enhanced as well as learning new concepts. The Integrated Math 2 Enhanced course will focus on topics in the following areas: (1) quadratic expressions, equations, and functions, (2) comparing the characteristics and behavior of linear, quadratic, and exponential functions, (3) similar figures, circles, and right triangle trigonometry, (4) conditional probability and counting methods including permutations and combinations, (5) using probabilities to evaluate and make fair decisions, and (6) further study of polynomials including identities involving complex numbers and the Fundamental Theorem of Algebra.