

Core: Integrated Math II

Integrated Math II provides a second-year integrated math curriculum that combines material traditionally covered in high school algebra, geometry, and precalculus courses. Integrated Math II develops rigorous mathematical skills while emphasizing real-world applicability. Course topics include complex numbers, step and piecewise functions, exponential functions, quadratic functions, inverse functions, right triangles, trigonometric functions, and circles, as well as data analysis and modeling. Carefully paced, guided instruction is accompanied by practice that is engaging and accessible. Interactive animations allow students to approach and explore topics through real-world situations, helping them to gain an intuitive understanding while learning at the appropriate depth and rigor of a standards-based curriculum. Formative assessments help students to understand areas of weakness and improve performance, while summative assessments chart progress and skill development. Throughout the course, students will develop general strategies to hone their problem-solving skills. The content is based on the Georgia Performance Standards and Instructional Frameworks in Mathematics, as well as the National Council of Teachers of Mathematics (NCTM) Principles and Standards for School Mathematics. Detailed correlations to state-specific standards are available on request.