



College Readiness

College Readiness Mathematics Capstone Course is a fourth mathematics course option for students who have completed Advanced Algebra: Concepts and Connections. The course is designed to serve as a bridge for high school students into postsecondary opportunities. The focus of this course is on key content and practice standards to ensure that students will be ready for postsecondary academic courses and career opportunities. The course will revisit and expand the understanding of content standards introduced in earlier mathematics courses and will emphasize numeracy, algebra and functions, geometry, and statistics in a variety of contexts. Instruction and assessment should include the appropriate use of manipulatives and technology. Mathematics concepts should be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts should be introduced and used, where appropriate, in the context of realistic experiences. The Standards for Mathematical Practice will provide the foundation for instruction and assessment. The content standards selected are essential for a variety of postsecondary opportunities. Students will be expected to complete a capstone project where they select one of the areas listed in the standard to identify a problem and use mathematical modeling to address it.