**Core-Plus Mathematics** is a researched–based four-year curriculum that replaces the traditional Algebra-Geometry-Advanced Algebra/Trigonometry-Precalculus sequence. Each course features interwoven strands of algebra and functions, statistics and probability, geometry and trigonometry, and discrete mathematics. The first three courses in the series provide a common core of broadly useful mathematics for all students. They were developed to prepare students for success in college, in careers, and in daily life in contemporary society. Course 4: Preparation for Calculus continues the preparation of students interested in mathematics and science college programs. The research-based curriculum materials are the product of iterative cycles of design, development, field-testing, and refinement over more than 20 years with support, in part, from the National Science Foundation.

**Website:**  [http://www.wmich.edu/cpmp/](http://www.wmich.edu/cpmp/)

**College Preparatory Mathematics** began as a grant-funded mathematics project in 1989 to write textbooks to help students understand mathematics and support teachers who use these materials. The program strives to make middle school and high school mathematics accessible to all students. It is a complete mathematics program for grades 6 through 12 including Calculus. These curriculum materials (standards- and researched-based) use problem-based lessons, collaborative student study teams and spaced practice with course concepts. Each course emphasizes the connected nature of mathematics to facilitate deeper understanding. One of the guiding principles of CPM incorporated into the design is that students learn more when they solve problems and discuss their thinking. Students collaborate in study teams and the teacher manages and supports their learning of the mathematical objectives of the lesson.

**Website:**  [http://cpm.org/](http://cpm.org/)
**Center for Mathematics Education Project** is a four-year, National Science Foundation-funded, comprehensive high school mathematics program that is problem-based, student-centered, and organized around the familiar themes of Algebra 1, Geometry, Algebra 2, and Precalculus. The widespread utility and effectiveness of mathematics come not just from mastering specific skills, topics, and techniques, but more importantly, from developing the ways of thinking—the habits of mind—used to create the results. The Project sets as its goal robust mathematical proficiency for all students by emphasizing the interplay between mathematical thinking and essential technical skills and provides a coherent curriculum with mathematical ideas, skills, and themes introduced early and deepened throughout the program.

Website: [http://cmeproject.edc.org/](http://cmeproject.edc.org/)

The **Interactive Mathematics Program** is a four-year, research-based, National Science Foundation-funded curriculum. The curriculum is problem-centered. Each unit of the curriculum begins with a central problem or theme which often requires concepts from several branches of mathematics. Students explore and solve that problem over the course of the unit. These problems are generally too complex for students to solve initially. As teachers guide them through a variety of smaller problems, students develop the mathematical ideas and techniques they need in order to solve the central problem. Because the curriculum is problem-based, students get a rich experience of the way mathematics is actually used. The curriculum also includes long-term, open-ended investigations that help develop problem solving skills and justification of solutions. This curriculum was designed to challenge and support all students to do meaningful mathematics.

Website: [www.iat.com](http://www.iat.com)