

Florida Mathematics

Florida Mathematics 1, 2, 3 was customized exclusively for Florida from the award-winning *Connected Mathematics 2* program. The program offers the most comprehensive research support of any middle grades mathematics program on the market today. This research provides users and prospective users with information about the program's effectiveness with students. The results presented are based on quantitative and qualitative data collected from years of evaluation and include:

- The Research Base that guided the development of the *Connected Mathematics Project (CMP)*
- An overview of Efficacy Research demonstrating the effectiveness of *Connected Mathematics*
- Validation Reports demonstrating use studies of *Connected Mathematics*
- National Recognition of *Connected Mathematics*

Research Base— Developing *Connected Mathematics*

The *Connected Mathematics Project (CMP)* was funded by the National Science Foundation to develop a complete middle school mathematics curriculum for Grades 6–8. The result—a curriculum built around mathematical problems that help students develop their understanding of important concepts and skills in number sense, geometry, measurement, algebra, probability, and statistics.

Research was the central, guiding force in the development process of *Connected Mathematics 2 (CMP2)*. The authors worked for over five years to build on the solid foundation already established and relied on efficacy data for making improvements in design and content, resulting in an even more effective program. Fifteen sites, with varying characteristics that are representative of schools across the nation, participated in three rounds of revisions for each grade level. Input from more than 15,000 students and 300 teachers was integrated into *Connected Mathematics 2*.

National Recognition of *Connected Mathematics*

CMP was recognized by the What Works Clearinghouse as having scientific research evidence that meets their rigorous standards. This is a significant achievement, considering that over 200 studies were submitted and only a handful were deemed appropriate.

The International Society of Science and Design and Development in Education (ISDDE) awarded the program's development team one of ISDDE's first annual "Eddies" for excellence in design.

The American Association for the Advancement of Science (1999), ranked *Connected Mathematics* highest, stating that it "contains both in-depth mathematics content and excellent instructional support."

Connected Mathematics was the only middle school mathematics curriculum awarded "exemplary" status by the U.S. Department of Education's Mathematics and Science Education Expert Panel (1999). Of the 61 elementary, middle school, and high school curricula submitted for review, only five received this exemplary status.

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0-13-372602-9 • 978-01337-2602-2

Efficacy Report—Independent Research that Demonstrates Effectiveness

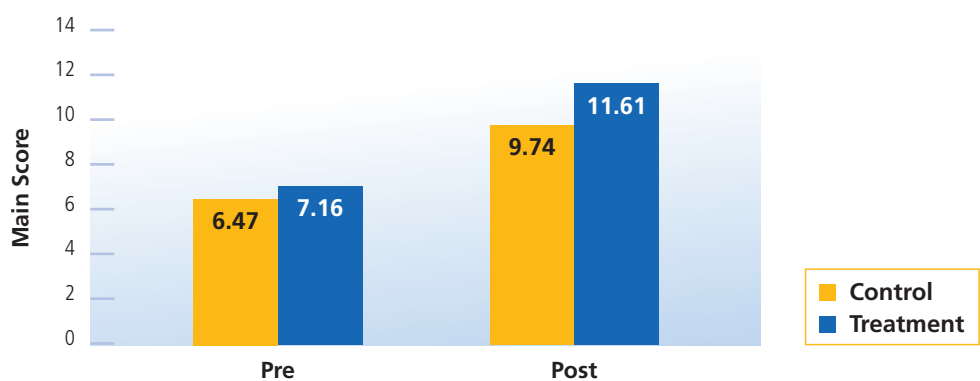
Claremont Graduate University conducted a study to assess the effectiveness of *CMP2* in helping students attain critical math skills during the 2007–2008 school year. The study used a randomized control trial (RCT) design to address standards and criteria described in the What Works Clearinghouse (WWC) Study Review Standards.

The RCT was conducted in the sixth grade, with 26 teachers and 914 students across geographically diverse schools in urban and suburban communities from CA, OR, and TX. Students were assessed at the beginning and end of the year using the Iowa Test of Basic Skills (ITBS) and the Balanced Assessment in Mathematics (BAM).

In the first year of use, students at all ability levels using *CMP2* showed significant improvement in math concepts and estimation, reasoning, problem-solving, communicating mathematical ideas, and computation.

Students who used *CMP2* showed significant gains in problem solving and math reasoning strategies and reported more positive attitudes and less math anxiety as compared to students who used other math programs.

Pre- and Post-Assessment of Treatment and Control Students on the Balanced Assessment in Mathematics (BAM)



Validation Reports—Case Studies of *Connected Mathematics*

Validation Reports demonstrate that an increasing number of students are meeting and passing state mathematics expectations in districts that have adopted *CMP2*. Data is gathered for *CMP* districts to document growth from pre- to post-*CMP* implementation as evidenced by performance on state mathematics assessments. Full district demographics are also reported. This data provides widespread proof of *CMP* success across diverse demographics and regions.

For a complete list of the current Validation Reports, see PearsonSchool.com/cmp2.