

- A BHEF RESOURCE CENTER-

CORE PLUS MATHEMATICS PROJECT (CPMP)

Relevant key for improvement: Curriculum

PROGRAM DESCRIPTION	PROGRAM HIGHLIGHTS	
Target population: Developed for grades 9-12 in traditional high school classrooms.	• Core-Plus Mathematics covers four years of high school math with a coordinated program.	
Goal(s): Focus on college-preparatory mathematics through the use of an alternative four-year math curriculum.	• Core-Plus Mathematics boosts students' scores on standardized math tests, including college entrance examinations, as well as their quantitative thinking	
Summary: CPMP is a text-based curriculum featuring	skills.	
integrated development of fundamental concepts and skills in algebra and functions, geometry and trigonometry, statictics and probability, and discrete	• Core-Plus was identified as an "exemplary" program by the U.S. Department of Education.	
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PARTNERS				
HIGHER EDUCATION	BUSINESS	NON-PROFIT	GOVERNMENT	
• Western Michigan University	• Glencoe/McGraw		National Science Foundation	
	1 1111		Foundation	

EVIDENCE OF IMPACT

Summary of effects: Research shows that the CPMP curriculum has boosted students' mathematical achievement on standardized tests.

Study 1: <u>A Matched Study of Washington State 10th Grade Assessment Scores of Students in Schools Using the</u> <u>CPMP Program</u>

One study, conducted by a consultant, found that the pass rates for 10th grade students on the 2004-2005 WASL mathematics test were significantly higher in schools using the Core-Plus Mathematics Program. The higher scores were consistent across the board for students from various economic backgrounds.

Study 2: CPMP Perspectives and Student Achievement

A study conducted by independent researchers found an overall boost in achievement/quantitative thinking skills among students in the CPMP curriculum compared to students in traditional math courses.

Extent of evidence: Four independent studies.

Evidence of replicability: The Core-Plus Mathematics Program was originally funded by NSF in 1992 and developed as a three-year course but has expanded to serve all four high school grades. The program has been implemented in over 500 schools and in at least 40 states across the country.

Other research or resources on CPMP: http://www.wmich.edu/cpmp/evaluation.html

CONTACT INFORMATION

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