



The **California Mathematics Project (CMP)** is a statewide professional development network of PK–12 and university mathematics educators dedicated to the pursuit of excellence in the subject. Each CMP site supports collaboration among and between teachers and university faculty to improve classroom instruction and student learning.

CMP seeks to develop and enhance PK–12 teachers' content knowledge and instructional strategies in alignment with the Common Core State Standards (CCSS) in mathematics and with English Language Development (ELD) standards. CMP is dedicated to high-quality instruction with a special focus on English learners, native speakers of English with low literacy and students from underserved communities. The project partners with schools and/or districts to support retention and excellence among mathematics teachers in low-income communities.

CONTENT

CMP provides site-based workshops, institutes and ongoing professional development, which include teacher practices that focus on improving PK–12 students' proficiency in mathematics through various means:

- Collaboration between mathematics faculty and PK–12 mathematics teachers
- Balanced mathematics programs that include basic computation skills, conceptual understanding and problem solving
- Students empowered by developing mathematical reasoning — through gathering data, analyzing evidence and constructing arguments to support hypotheses
- Strategies for working with English learners

LEADERSHIP

CMP actively develops teacher leaders through a variety of mathematics institutes, academies, workshops and targeted leadership events. These leaders, in turn, assist their colleagues in understanding the content presented in CMP programs, to ensure not only rigorous, standards-based instruction in the classroom, but also the design and development of effective assessments and the cultivation of collaboration among teachers.

OFFERINGS

CMP programs are carefully designed to meet the specific needs of mathematics teachers as well as those of schools and districts.

California Mathematics, Science and Computer Science Professional Learning Partnership (CAL-MSCS)

The California Mathematics Project executive director serves on the steering committee for CAL-MSCS, a partnership that brings together California's mathematics educators and professional learning leaders, who are committed to creating vibrant learning spaces where students thrive. We are constructing a sustainable, statewide infrastructure in which local communities of practice convene to learn together, to collaborate and to support excellent, engaging mathematics learning for each and every California student.

CANMEE Lesson Study

The CMP, along with seven partners, has been operating as a community of practice to support and sustain mathematics education for each and every student, under the title of the California Action Network for Mathematics Equity and Excellence (CANMEE). CANMEE received funding from the S. D. Bechtel, Jr. Foundation to create a statewide network of lesson study hubs. Each hub comprises a CMP regional site, a County Office of Education and a local school or district. CANMEE has been using lesson study continuously to improve mathematics learning and instruction, ensuring that mathematics education is rigorous, accessible and equitable for all. CANMEE also holds trainings for lesson study facilitators and commentators, and it hosts an annual convening that gathers lesson study practitioners from across the state.

Early Childhood Education and Mathematics

The overall goal of the project is to establish a community within California Mathematics Project that collaborates, continues to build knowledge of young children's mathematical ideas, and shares professional development resources. Face-to-face and ongoing virtual professional learning opportunities will focus on deepening participants' understanding of how young children think about mathematics and how teachers leverage this knowledge to interact with children in ways that positions them competently, using the child's knowledge and understandings to make instructional decisions. This will enable local math project sites to provide customized early math learning services to local districts/schools with ongoing support.

IMPACT

CMP has been a consistent advocate for improving access to high-quality PK-12 mathematics instruction. This advocacy includes:

- Maintaining a statewide network of regional sites that seek to strengthen teachers' subject knowledge and instructional skills in mathematics
- Providing stability for regional sites through their integration into the institutional fabric of sponsoring universities
- Building strong professional learning communities that foster teacher retention and stability, especially in underserved schools and districts

Many CMP sites have also been successful in obtaining grants to support professional development in mathematics and increase student achievement. A selection of the granting organizations includes:

- S. D. Bechtel, Jr. Foundation
- GEAR UP
- Math and Science Teacher Initiative (MSTI)
- Noyce Foundation

"Teaching mathematics is only a job. It becomes a profession when like-minded educators work collaboratively to bring life to the work ... An ethos of change, hope and constant improvement is what drives, inspires and motivates math teachers to transform their job into a profession."

CMP SITE DIRECTOR

3,984

Number of educators served (2023–24)

573

Number of schools served (2023–24)

REGIONAL SITES

Bay Area Mathematics Project
 Cal Poly/CSU Bakersfield Mathematics Project
 CSU Dominguez Hills Mathematics Project
 CSU Sacramento Mathematics Project
 Central California Mathematics Project
 Chico Mathematics Project
 Inland Counties Mathematics Project
 Irvine Mathematics Project
 Monterey Bay Area Mathematics Project
 North Bay Mathematics Project
 Orange County Mathematics Project at CSU Fullerton
 San Diego Mathematics Project
 San Gabriel Valley California Mathematics Project
 San Joaquin Valley Mathematics Project
 Santa Clara Valley Mathematics Project
 UC Davis Mathematics Project
 UCLA Mathematics Project
 UCSB Mathematics Project
 UCSD Mathematics Project

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CMP is a member of the **California Subject Matter Project (CSMP)**, a network of nine discipline-specific projects administered by the University of California Office of the President (UCOP) that provide high-quality professional learning for PK-12 teachers throughout California. Each project is represented statewide by regional sites on the campuses of UC, California State University and independent colleges and universities. For more information about CSMP, please visit csmp.online.