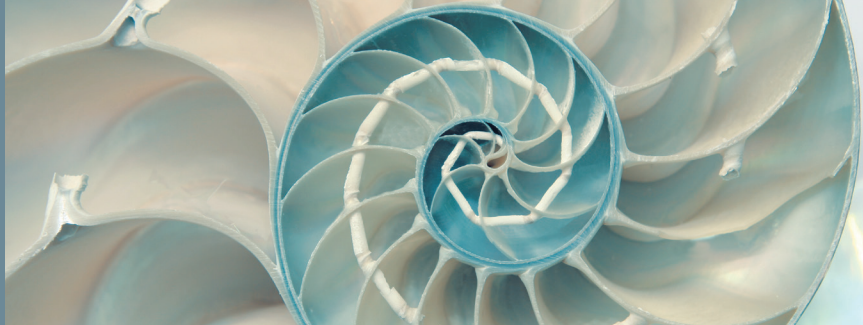


# CALIFORNIA Mathematics PROJECT



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.

### Mathematics Professional Learning Partnership

The Mathematics Professional Learning Partnership (MPLP) is a statewide initiative designed to strengthen California’s system of support for mathematics teaching and learning. Grounded in the 2023 California Mathematics Framework (CMF), MPLP focuses on building capacity for coaching, teaching and leadership so that every student has access to high-quality mathematics instruction. MPLP is led by a statewide steering committee composed of County Offices of Education (COEs) and California Mathematics Project (CMP) regional sites. To manage its scope, the work is organized into three key subcommittees:

- Professional Learning: Develops professional learning opportunities and certification programs aligned with the CMF to support administrators, mathematics coaches and teacher leaders statewide
- Regional Improvement Communities: Designs and facilitates collaborative networks where LEAs and schools share best practices and solve shared challenges of practice
- Curation of Open Resources: Builds a statewide digital library of CMF-aligned, open-access resources

### 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
- Math and Science Teacher Initiative (MSTI)
- GEAR UP
- 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

### CONTACT

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4,616

Number of educators served (2024–25)

823

Number of schools served (2024–25)

### 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



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](http://csmp.online).