

The Monterey County Mathematics Initiative

The Monterey County Mathematics Initiative (MCMI) is a network model built with ongoing professional development for teachers, coaches, math leaders, and administrators. The professional development provides whole group and targeted group sessions on math content, pedagogy, formative assessment, and social-emotional learning all guided by the TRU math dimensions and framework. The California/Common Core States Standards in Mathematics defines the mathematics dimension. The goals of the professional development are to improve content knowledge, pedagogical strategies and techniques, and formative assessment practices all for the purpose of developing mathematics programs that will enable all students to be college and career ready. Participants are invited to attend an annual 5-day coaching institute in the summer. After the summer, teachers attend five full days of follow up professional development scheduled throughout the school year in Monterey County. In addition, math leaders attend networking workshops, and administrators participate in instructional leader meetings. This cycle of professional development has built and maintained a strong and growing network, which is well positioned to assist districts in delivering high quality mathematics instruction to all their students. In addition MCMI has full access to innovative curricular and assessment resources, including the library of MAC/MARS performance tests, Problems of the Month, Formative Assessment Lessons, videos, and other teaching-coaching materials. Our partnership with the Lawrence Hall of Science provides the state of the art research on teaching with an equity focus.

Benefits of being a Member District

- Use of the annual MAC/MARS exams and scoring materials for grades 2 through High School Course 2 both English and Spanish versions.
- Access to the annual MAC Final Report, District MAC Report, and Individual Student Reports.
- Use of the library of former MAC/MARS tasks, rubrics, standardizing papers and practice tests from 1999 to present (at least 90 tasks at each grade level). Full tasks set grades 2 – High School year 2 (Integrated Course 2/Geometry). Smaller task sets for Kindergarten, 1st grade and High School Course 2/Algebra 2/Trig.
- Access to the annual *Tools for Teacher* documents design to support formative assessment practice in the classroom.
- Access and use of Problems of the Month and Teacher Notes (45+).
- Access to the full set of *Formative Assessment Lessons* and *Professional Development Modules* authored and developed by UC/Shell/SVMI.
- Access to the SVMI Lesson Study Project tools, protocols and videos.
- Access to Mathematics Coaching Tools and Videos.
- Access to full resource collection for www.insidemathematics.org

Professional Development Opportunities for Members

- Participation in Annual Coaching Institute for teachers and math coaches (5 days in August).
- Participation in monthly Math Network Meetings for all math coaches and leaders.
- Participation in SVMJ Professional Development Workshops for teachers and coaches (five workshops Sep., Oct., Dec., Jan, and Feb. in Monterey County)
- Participation in the Principal as Instructional Leaders series open to all principals and coaches and Administrator Workshops in Monterey County.
- Participation in MAC/MARS scoring training for the annual performance exam (for district scoring leaders).
- Access to the SCVMP Leadership Institute for district and school level math coaches and leaders. (May-June)
- Access to the SVMJ Lesson Study Project and opportunity to apply for Research Lesson Mini-Grants for teams of teachers. (\$2,500/team).

Membership Fees

The Monterey County Mathematics Initiative has an annual fee structure of:
Large Districts/Institution (Greater than 40,000 students)\$10,000 annual fee
Districts: \$5,000 annual membership fee
Small Districts (Less than 500) \$2,000 annual membership fee
Schools: \$1,000 annual membership fee

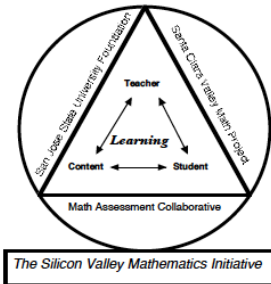
The Monterey County Office of Education

The Monterey County Office of Education provides an array of services to support the 24 school districts and 74,684 students in the county. The Monterey County student population is comprised of 41% English Learners, 69.1% economically disadvantaged students, and 6.3% migrant students. (California state figures are 22.7% English Learners, 59.4% economically disadvantaged, and 1.1% migrant students.) Working with districts, MCOE offers a broad range of collaborative services and partnerships. MCOE's focus and mission is to provide leadership, support, and service needed to prepare the diverse students on Monterey County for success sub each step of their educational journey. MCOE employs math coordinators, Denise Green and Linda Dilger.

The Silicon Valley Mathematics Initiative

Supported through: San Jose State University Research Foundation

The Silicon Valley Mathematics Initiative is a comprehensive effort to improve mathematics instruction and student learning. It supports school districts and charter schools since 1996. SVMI's theory of action is: Student learning is a function of mathematics instruction. The teacher's skills and knowledge is the key to improving math instruction. Improved achievement is an outcome of improved instruction. Improved instruction is an outcome of ongoing, comprehensive, intensive professional development. Good teaching occurs through a continuous loop of focusing on high standards, assessing students' work to the standards, examining students' products and analyzing students' understandings, developing effective educational strategies and practices that are consistent with the findings, and tailoring instruction to enhance student learning and understanding for all students.



SVMI Office

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Center for Mathematics Excellence and Equity **Lawrence Hall of Science, U.C. Berkeley**

The Lawrence Hall of Science (The Hall) is the non-profit public science center of the University of California, Berkeley. Known internationally for its innovative curriculum and assessment materials, The Hall has expertise communicating science to the public through exhibits, school programs, instructional materials, professional learning opportunities and public programs for more than 40 years. One of the Centers at the Hall focuses on equity in mathematics. The Center for Mathematics Excellence and Equity (CeMEE) at the Hall provides professional growth and learning opportunities for teachers. The Center has focused on working with K-12 mathematics teachers who teach English Language Learners. It provides coaching for teachers, professional development for teachers and leaders, and technical assistance to schools and systems concern with issues of equity, standards, instruction, and assessment. The Center's main emphasis is on connecting language development and mathematics understanding.

Application for Membership in the Monterey County Mathematics Initiative

Name of Member Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip code: _____

Contact: _____ Position/Title: _____

Email Address: _____

Phones: _____ office _____ cell _____ fax

Names and emails for contact list: _____

Please email, fax, or mail application to:

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