

California Early Math Initiative

The California Statewide Early Math Initiative (Initiative) is a multi-agency effort led by the Fresno County Superintendent of Schools as part of California's System of Support. The Initiative focuses on building the capacity of administrators, coaches, and teacher leaders to provide effective professional learning and mentoring in mathematical content and pedagogy within their local communities and regions. Thirty agencies who work with over 10,000 educators across the state participate in the Initiative.

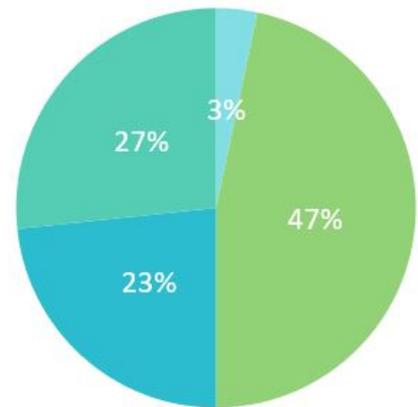
Professional Learning and Coaching

The 2019 Summer Institute engaged leaders from 28 counties in hands-on, content-rich early mathematics. The Institute trained these leaders to serve as regional professional learning facilitators, mentors, and coaches. Themes at the Summer Institute included building a positive math identity, professional noticing, early math and science, number sense, spatial reasoning, creating engaging learning environments, and facing math anxiety. Participants planned how to implement research-based ideas and strategies in their own regional contexts.

"We are seeing our cohort become empowered as math leaders in our county. They are growing a lot in just a few months, excited about each new opportunity. We've held three trainings and three coaching sessions with 100% participation."
~Institute Participant



- Statewide Tribal Organization (3%)
- County Office of Education (47%)
- School District (23%)
- Non-Profit Organization (27%)



Participating Agencies

Statewide Tribal Organization

California Rural Indian Health Board, Inc.

County Offices of Education

Alameda • Butte • Colusa • El Dorado • Humboldt • Kern • Merced
Modoc • Placer • Riverside • San Diego • San Mateo • Santa Clara • Shasta

School Districts

Alisal Union • Azusa Unified • Dinuba Unified • Fresno Unified
Galt Joint Union Elementary • Los Angeles Unified • Sierra Unified

Non-Profit Organizations

Bananas, Inc. • CAPSLO - San Luis Obispo County Child Care Planning Council
Central Valley Children's Services Network • Fresno Economic Opportunities Commission
Child Development Resources of Ventura County • Exceptional Parents Unlimited
Community Child Care Council of Sonoma County • Reading and Beyond

California Early Math Initiative

Demonstration Site and Innovation Lab

The Lighthouse for Children Child Development Center is the Initiative's Model Demonstration Site. Fresno County Superintendent of Schools Math Curriculum Specialists provide small group and whole group demonstration lessons which are observed, debriefed, and used by teachers. Lessons are based upon the children's literature books and activities found on the Initiative's website - www.earlymathca.org.



RESEARCH

Research Briefs on Early Mathematics



FAMILY ENGAGEMENT

M.A.T.H. Packs
Family Math Events
I'm Ready Videos



LEVERAGING MEDIA

Early Math Application and Website
Early Math Campaign



RESOURCES

Review of Web-Based Math Resources
Online Math Literature Resources
Interactive Exhibits



Family Engagement

The Initiative holds replicable family math events and creates materials to show families how everyday opportunities and simple activities/routines can be used at home to support children's math readiness, enthusiasm, and success. The Initiative focuses on building home/school partnerships and fostering confidence and comfort with early math.

Initiative Goals:

- Improve mathematical outcomes for California's children
- Provide ongoing teacher support through demonstration lessons, coaching, and mentoring
- Increase family awareness and meaningful family engagement
- Share resources with families and teachers - videos, early math application, math literature reviews and activities, guidance, briefs, replicable math and science installations, and tools for hosting community math nights

Find Initiative News and Resources at these links:

<https://www.earlymathca.org/> - Early Math Website

<https://aimscenter.org/caemi> - AIMS Center Initiative Page

<https://edsources.org/2019/california-parents-preschool-teachers-learn-to-teach-math-through-childrens-books/620923> - EdSource