



CALIFORNIA STATE UNIVERSITY, FULLERTON

College of Natural Science and Mathematics

Department of Mathematics

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Dear Principal,

The California Mathematics Project at CSU Fullerton (CMPF) is one of nineteen California Mathematics Project (CMP) sites in the state (visit CMP website [here](#)). The directive for all California Mathematics Projects is to assist schools in fostering student achievement in mathematics through site leadership professional development. The California Mathematics Project is part of the state-funded California Subject Matter Project (CSMP), a statewide network of subject-specific professional development programs for teachers (visit CSMP's website [here](#)).

The California Mathematics Project at CSU Fullerton (CMPF) prepares and supports teacher-leaders and teams of teachers to collaborate with colleagues at their school through Professional Learning Communities (PLCs). This summer, teacher leaders and teams of teachers will receive professional development on the newly adopted (July 2023) **California Mathematics Framework**. Participants will learn how the **Math Framework** addresses: a) content knowledge, b) effective teaching strategies, including instruction of English Language Learners, and c) facilitation skills. During the summer of 2024 the five-day Institute will draw upon the Common Core State Standards for Mathematics (CCSS-M), focusing on the Standards for Mathematical Practice (SMPs) and Standards for Mathematical Content for grades K-8.

The summer 2024 CMPF Institute is scheduled for five days: July 8 - 12 from 8:00 a.m. to 3:00 p.m. daily on the Cal State Fullerton campus. Through leadership development, CMPF will support the planning of a summer Academic Year Planning Institute (AYPI) at school sites in July or August where teachers can plan the mathematics program by grade level for the Academic Year. Upon acceptance to the program, the meeting room number, map, and parking instructions will be sent to each participant.

The content for the five-day Institute will focus on Problem Solving (SMP 1: Make sense of problems and persevere in solving them, and SMP 2: Justify reasoning) providing participating teachers with a deep understanding of the operations with numbers and algebraic thinking of the **CA Mathematics Framework**. In connecting this to the classroom curriculum, there is a balance between fully understanding the content to be taught and appreciating the deeper mathematics upon which the content is grounded. The 2024 Institute will continue to focus on Cognitively Guided Instruction (CGI), Lesson Study and the use of these strategies to support all learners in “sense-making” in mathematics. Through this process the Institute will assist leaders help colleagues tap into the natural joy students exhibit when doing math with understanding!

The professional development curriculum will be designed so that after completing the five-day Institute, participating teachers will be qualified to assist colleagues within their own schools or districts to better understand the “big ideas” found in the **CA Math Framework** and teach problem solving and the enjoyment of mathematics in elementary school. Participants will receive links to the content lessons and supporting materials covered during the Institute. They will also receive a copy of the book, *Building Thinking Classrooms in Mathematics*. Teacher-leaders can share materials and ideas with grade-level teams (PLCs) in their own schools during the 2024 - 2025 school year and will receive the support of the project directors through school site visitations of PLCs in action.

Hopefully, later in the summer, teachers will have the opportunity to meet in grade level teams at their school sites to examine their own instructional goals and practice, and prepare a school mathematics “Action Plan” for the 2024 - 2025 school year. CMPF will have limited funding to provide teacher stipends for the planning called, the Academic Year Planning Institute (AYPI). The amount will depend on the number of teachers who plan to participate. Hopefully these meetings will be part of a district commitment that is already part of the school calendar.

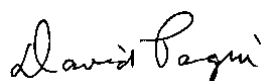
Each participating teacher will receive a stipend of \$600 for the July 8-12, 2024 Institute. Participants can also register for up to 4 semester units of college credit at a reduced rate; 2 units for the five-day Institute and 2 units for the weeklong AYPI.

An application for the July Institute is attached, or one can be downloaded as a Microsoft Word document at <http://mdtp.fullerton.edu/>.

As a school principal, you are asked to nominate teacher-leaders or teams of teachers who have the ability and desire to share the knowledge gained in the CMPF Institute with other teachers at your school site. This can be done in an informal setting like a grade-level meeting or the Academic Year Planning Institute (AYPI). Hopefully, this will support the formation of Professional Learning Communities (PLCs) that develop common agreements on assessment, homework, and lesson design in mathematics instruction. The goal of the CMPF is to prepare teacher-leaders or teams of teachers who can assist colleagues within their own schools or districts and to increase their knowledge of the **2023 CA Mathematics Framework**, the Common Core State Standards for Mathematics (CCSS-M) and the Standards for Mathematical Practice (SMPs) and support collaboration that will lead to increased student achievement as well as student appreciation, confidence, and enjoyment of mathematics.

You may fax, e-mail, or mail the application(s). Applications must be postmarked no later than June 21, 2024. Applications will be acknowledged by email upon receipt. Contact information can be found on the second page of the application form. Because of limited funding, enrollment will be limited and the selection process will take the needs of the school and plans for using the leaders into consideration. These issues may be addressed by the principal on page 2 of the application form.

Sincerely,



David Pagni, Ph.D.
Professor of Mathematics
Co-Principal Investigator, CMPF