



Stanford Model STEM Mentoring Program

“Bringing science, technology, engineering and math professionals into the classroom”

*“My personal challenge is to get **each** child excited, interested, or thinking about Earth/atmosphere/space science for at least one project. I look for the kids that I might not be connecting with and I try to engage them in some way.”*

–Alfred Tados, Senior Engineer at Space Systems/Loral & Sherman Oaks Elementary School Mentor

Connecting dedicated mentors with teachers to enhance their STEM lessons

The Stanford Model STEM Mentoring Program is an outreach program for grade school students that assist teachers in meeting their testing goals in science and math by bringing dedicated local scientists and engineers into the classroom. Mentors will work with these students under the direction of the teacher 2-4 hours/wk providing technical support for class experiments that demonstrates topics of importance to that grade level in science and math.

Our mentors work with their class for the full school year. The next year the mentor will follow the students to the new grade. The mentor will continue with as many of these same students as possible each year until the students graduate from high school. The program is initially targeted to fourth and fifth grade students.

Successfully established and looking to grow

Established in 2006, the Stanford Model STEM Mentoring Program has successfully been implemented in two schools in the San Francisco Bay Area. The first school brought to the program is Sherman Oaks Charter School, where our mentor works with the school’s fourth grade class and has successfully assisted with various experiments including providing guidance and resources for a space-weathering experiment launch. Another mentor is at Fremont High School where he works with a group of students as part of an after-school technical program. We’ve received praise from teachers, students, and school administrators. We are now actively engaged in bringing our program to more schools throughout California.

Join our program

The Stanford Model STEM Mentoring Program is managed by the California Space Education & Workforce Institute (CSEWI) through the California Innovation Corridor program, a regional initiative funded by the WIRED (Workforce Innovation in Regional Economic Development) Grant Initiative of the U.S. Department of Labor. For more information please contact: CSEWI Manager Daphne Dador, daphne.dador@csewi.org, (626) 440-0565, or Prof. Bob Twiggs, Bob_Twiggs@stanford.edu, (650)723-8651.

