

COSMOS

CALIFORNIA STATE SUMMER SCHOOL FOR MATHEMATICS & SCIENCE

TEACHER FELLOW JOB DESCRIPTION

PROGRAM OVERVIEW:

COSMOS is a prestigious, four-week residential program for motivated high school students supported by the State of California and should be viewed as a serious commitment COSMOS aims to foster a community of students and instructors focused on science/math achievement and to offer opportunities not available in high school.

RESPONSIBILITIES:

The Teacher Fellow will be assigned to a specific cluster of no more than 22 students, and teach Technical Writing & Communication, 1:15-3:00 p.m. MWF, a course promoting analysis of scientific and /or technical media. The course supports vocabulary acquisition and use, and guides the student projects completed in pairs or small groups. A Curriculum Handbook will be provided, with the expectation that readings and class exercises will be adapted to suit the assigned cluster. Teacher Fellows will attend the a.m. lectures in their cluster, which inform the afternoon discussions. Teacher Fellows will guide the writing of a scientific or technical abstract based on the poster project and a final presentation. The Teacher Fellows will participate/lead at least one field trip (creating field trip itinerary and possibly driving students in a COSMOS minivan), and, with the faculty, facilitate project and poster development.

TIME COMMITMENT:

The Teacher Fellow will be engaged in the program 9:00 am to 3:00 p.m. Monday through Friday. Labs will be held on Tuesday and Thursday (set up by a graduate teaching assistant and/or faculty). The Teacher Fellow is encouraged but not required to attend the weekly Wednesday afternoon (3-4 pm) special lecture or presentation. Teacher Fellows are expected to be fully acquainted with the provided writing curriculum, and seek creative ways to engage students in discussions. During the academic year following the program, teacher fellows are asked to share COSMOS information with science /math teachers at an in-service or other professional development opportunity and encourage COSMOS applications from their students/school.

COLLEGIAL RELATIONSHIP WITH FACULTY:

Prior to the program, Teacher Fellows are required to meet with the cluster faculty to discuss in detail the math, science or technology course content and how the Teacher Fellow will incorporate key concepts into the writing course (vocabulary and concept review, etc.). Free and open exchange of recommendations, ideas, content knowledge and skill sets is expected.