



## Educational Outreach Opportunities

We help faculty, researchers, and students design and deliver educational outreach programs reflecting your work at Caltech, aligned with research goals or a general field of study. From pre-proposal to implementation and assessment, we are here to support your outreach efforts. Examples of typical outreach models include:

### ***Caltech representatives onsite at local schools:***

**Mentorships at local schools.** We can connect you with specific schools and classrooms to collaborate on topics from robotics and computer programming, to astronomy and physics. In these scenarios, Caltech representatives visit schools on a regular basis either during the school day or after school to mentor and coach students on a range of activities from elementary school science fair projects to senior engineering presentations. These mentoring programs typically span an entire semester or school year.

**Classroom lecture series.** We facilitate ongoing lectures and seminar series by Caltech representatives, matching disciplines with schools and career pathways that provide a strong curricular fit.

Mentorships and classroom lectures can be as nearby as neighborhood public and private schools such as Hamilton Elementary and Polytechnic School, or in a variety of locations throughout greater Pasadena and Los Angeles.

### ***K-12 students and teachers on the Caltech campus:***

**Summer opportunities for high school students and teachers in Caltech labs.** We match high school teachers and students with Caltech researchers to engage in summer-long research projects, often as a culminating experience for teachers and students involved in ongoing in-school lectures and presentations by Caltech faculty and students.

**Site visits to Caltech events.** We invite local students to participate in campus events and activities that thematically link to school curriculum.

**Site visits to Caltech for programs designed to showcase Caltech researcher expertise.** We craft these programs specifically to provide Caltech students and researchers with the opportunity to share their science with target K-12 audiences. Recent on-campus seminars have been designed around the themes of astronomy, geology, computer science, quantum mechanics and engineering.

### ***Off - campus events for K-12 teachers and students:***

**Creating events for specific audiences.** We can work with you to develop and stage events that connect you with target audiences to showcase scientific research and demonstrate programs to general audiences.

**Sharing Caltech science at public events.** We assist Caltech representatives with developing and conducting hands-on presentations at science and engineering-themed events across Los Angeles and beyond.

Contact Mitch Aiken if you would like to discuss outreach opportunities.