

Educational Outreach Opportunities

We can help you deliver educational outreach programs reflecting your work at Caltech, either specific to the goals and objectives of your research effort, or more broadly aligned with your general field of study. 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.