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Interested in a career in **academia** or working with K-12 students in **educational outreach**?

[CTLO.CALTECH.EDU](http://CTLO.CALTECH.EDU)



# **CTLO** Center for Teaching, Learning, & Outreach

## **Teaching & Learning**

- Future Faculty Preparation
- Pedagogy Courses

## **Outreach**

- Grant writing
- K-12 & Community Education

**Student  
Services  
Bldg,  
3<sup>rd</sup> Floor,  
414 S.  
Holliston**

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**TYRIT is offered every term, including summer – check our website**

## Resources for Caltech Postdocs



The CTLO provides additional support and opportunities to help postdocs advance their careers.

### TYRIT: Transforming Your Research Into Teaching

A five-day course focusing on:

- **Creating student learning outcomes**
- **Designing assessments & practice**
- **Crafting effective & engaging lectures**
- **Developing a syllabus & course schedule**

Attendees will acquire tools for faculty applications and strengthen their ability to effectively communicate their research highlights.

This course can be taken independently or to fulfill the 5P Program requirements.



**INDIVIDUAL  
CONSULTATIONS**



**PROFESSIONAL  
DEVELOPMENT  
WORKSHOPS**



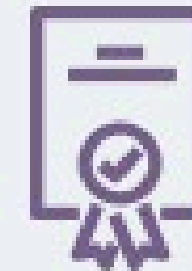
**COMMUNITY-BASED  
TEACHING  
OPPORTUNITIES**

## Postdoc Pre-Faculty Pedagogy Preparation (5P) Program

This program aims to prepare you for future faculty responsibilities and teaching roles while strengthening your CV and teaching portfolio.

### The five key components:

- **Pedagogy:** Participate in a 1-week course introducing evidence-based principles for STEM university teaching (TYRIT).
- **Practice:** Lead a guest **lecture or workshop** applying Pedagogy training, with observational feedback from a CTLO team member.
- **Project:** Apply Pedagogy learning to an **independent project**: create an annotated course syllabus or design and lead a workshop on a topic of your choice.
- **Professional Planning:** Attend **workshops and panels** on teaching careers and teaching statements to prepare for your next career steps.
- **Portfolio:** Build a **teaching portfolio**, including a teaching statement, to demonstrate your approach as an instructor.



Please contact the CTLO ([ctlo@caltech.edu](mailto:ctlo@caltech.edu)) for more information.

# Interested? Email [ctlo@Caltech.edu](mailto:ctlo@Caltech.edu)

**Outreach** activities help you develop skills essential for future faculty roles by allowing you to engage in **teaching**, science **communication**, and **mentorship** activities.



## Formal: **Classroom-Based Outreach**

**Visiting Scientist:** Teach engaging science lessons bi-weekly to students at a local elementary school

**Classroom Presentations:** Be a guest in a classroom or after-school club discussing current research and cutting-edge science



## Informal: **Community-Based Outreach**

**Science Nights:** Host engaging demonstrations or lab tours at science night events sponsored by local schools and community groups

**Caltech Experiences:** Bring local school groups to campus for lab tours and STEM activities



## Research and Mentorship

**Sustainable Energy Activity Lab (SEAL):** Mentor high school clubs in academic year research projects related to sustainable energy

**Summer Research Connections (SRC):** Oversee high school student summer research projects



## Individual Consultations

**Independent Projects:** We can assist with the design and execution of your own outreach ideas!

**Grant Writing:** We help you develop strong educational outreach components for grant proposals with a broader impacts or outreach requirement

CTLO Outreach Opportunity Alerts



<http://eepurl.com/daAaeP>

Outreach Opportunity Alerts is a monthly newsletter that outlines upcoming educational outreach opportunities and needs at Caltech and in the community

