GOVERNMENT & COMMUNITY RELATIONS

K-12

Education & Outreach

BERKELEY LAB

Bringing Science Solutions to the World

K-12 WORK-BASED LEARNING CONTINUUM

Learning ABOUT work

Learning FOR work

Learning THROUGH work

Working and learning at BERKELEY LAB

CAREER AWARENESS

Broaden student options via awareness of careers and the role of education.

CAREER EXPLORATION

Explore career options to motivate and inform student decision-making.

CAREER PREPARATION

Apply practical experiences to develop the knowledge and skills necessary for success.

CAREER TRAINING

Train for employment and/or postsecondary education in a specific range of occupations.

RELEVANT K-12 PROGRAMS:

- Let's Talk About STEM
- AfterSchool Science Hour
- Live Science

SAGE
science accelerating girls' engagement

SeA
Science en Acción

BLDAP
Berkeley Lab Director's Apprenticeship Program
Berkeley Lab Director's Apprenticeship Program

Experiences in research

The Profile of a High School Student

Class of 2024-2026 born around 2005-2008

Remote & hybrid learning 2020/2021 school year

Familiar with Google Suite including Docs, Slides, maybe Sheets

On platforms like Instagram, TikTok, Snapchat, & Discord to communicate

Current High School Students

Math: Algebra 1, Geometry, Algebra 2 (includes Trigonometry). Some may have taken Pre-Calculus and/or Statistics.

Science: Biology, Chemistry, Physics

Engineering:
Introduction to Engineering Design (engineering design process, CAD)
Principles of Engineering (mechanisms, statics)

Coding: Python, JavaScript

What to Expect from a High School Intern

- Students are excited and very nervous about doing well
- They are high achievers. However, they are still teenagers.
  - They need clear expectations and boundaries.
  - They may need additional support/reminders.
  - They need your reassurance and encouragement. (Allow them to work through mistakes and/or hard problems with support.)

Quick Reminders on Working with Minors

- Maintain a 2:1 ratio as much as possible
- Always use Lab shuttles/government vehicles to transport students
- Refrain from sharing personal accounts to interact (always use lbl email/work phones)
  - Linkedin is fine to communicate with but keep all conversations focused on mentorship/professional development/career opportunities
  - Do not post students on your personal social media accounts (you can share from Lab based accounts)
- There is a WWM training course for all employees

Ways to Get Involved! SERVICE.LBL.GOV

Summer Volunteering

Python Bootcamp: June 1 and 2 (THIS WEEK) **- ONLINE**

SAGE: June 9 - June 15 (Still recruiting for project support and overnight chaperones)

BLDAP: June 18 - July 26
Become a python/data science TA

Summer Social Interactions

May 30: Data Science Presentations (50 Aud)
4 - 6pm

July 12: Intern Networking (Building 91) 1pm - 3pm

Free ice cream

July 26: Summer Symposium - 10am - 2pm -
Attend oral and poster presentations

Fall/Winter

Create a poster for the Reverse Science Fair

Support STEM/Career Days onsite

Help Facilitate Activities with 6th graders or elementary school students

Become a High School Ambassador (attend mock interviews, career fairs, talks, etc. for your alma mater/adopted school)

Sign up to be a MENTOR

Thanks! / Questions?