K-12 WORK-BASED LEARNING CONTINUUM

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
- Berkeley Lab Director’s Apprenticeship Program
- Science en Acción
- Berkeley Lab Dir. Apprenticeship Program

Working and learning at BERKELEY LAB

Experiences in research
The Profile of a High School Student

**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

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
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?