Building Young Leaders to Accelerate Climate Solutions
SEI’s Mission, Vision, and Values

**Mission**
Building leaders to accelerate climate solutions

**Vision**
A resilient world where all communities thrive

**Values**
We are committed to impact; we are networkers and collaborators; we are inclusive and just; we are always learning; we are one team.
SEI’s Flagship Programs

**ENERGIZE SCHOOLS**
Provides pre-K-12 teachers with project-based curriculum, teacher training and tailored support to inspire student climate leaders

**CLIMATE CORPS**
Garden educator Fellows plant the seeds of ecoliteracy and science in their outdoor classrooms, growing elementary environmental leaders

**CLIMATE CORPS**
A flexible bridge-to-career fellowship program working for higher education institutes, governments, nonprofits, and for-profit businesses

**ENERGIZE COLLEGES**
Builds climate-focused communities of practice across campuses and gives students hands-on internships and academic learning experiences

**ENERGIZE CAREERS**
Creates a diverse energy and climate workforce through industry-advised training of people who experience systemic barriers to high-wage jobs

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Pre-Kindergarten

Career
Problem to Solve: Students are not building needed climate solution leadership skills, largely because schools and teachers do not have the resources needed to confidently engage students with climate solutions.

Our Solution: Students will be best equipped to drive climate solutions in the future by engaging with climate issues in the present.

We provide resources, partnership, and training. We begin with easy-to access challenges, then grow into deeper climate education through project-based curriculum and professional development.
Answer in the Chat:

How comfortable do you feel teaching about climate solutions?

Provide your answer from 1-5, with 5 being most comfortable!
Student-led Challenges

- Challenge resources are designed to be flexible, minimizing burden on teachers.
- Students learn about environmental issues and then receive guidance as they take action to improve their local environment!
- Often, these challenges are the beginning of fruitful collaborations.
From Challenges to Projects in San Diego

- High Tech High International first signed up for our Energy Challenge in 2016.
- SEI projects have become a core part of the school’s project-based curriculum and students have engaged in a variety of field trips, presentations, and more!
- This school year, students improved indoor air quality by building and delivering air purifiers to their school community.
SEI’s Curriculum Library

● Hundreds of NGSS-aligned units on sustainability, energy, climate change, and more!

● Ready-to-use, including the following elements:
  ○ Educator Unit Outline
  ○ Educator Instructional Guide
  ○ Presentation Slides
  ○ Student Handouts
Activating Campuses as Living Labs

- The Zero Waste Schools program provides classroom presentations, facilities support, and guidance for student Green Teams to properly manage waste at schools.

- Collaboration with ForeFront Power, a utility-scale solar provider, allows us to turn infrastructure upgrades into learning opportunities.
Building Career Pathways in the Bay Area

- SEI has worked with Antioch High School, in the East Bay Area, since one teacher signed up for programs in 2018.
- Now, Antioch High School has a green careers CTE pathway made up of SEI’s two full-year courses, Innovations in Green Technology and Energy and Environmental Design.
- Over 250 students take these courses each year.
The School of Environmental Leadership

- The Marin School of Environmental Leadership builds environmental leadership through a project-based high school education
- Students complete hands-on learning through projects that make a tangible change on their campus.
Answer in the Chat:

What kinds of resources would be most helpful for you in engaging students with climate solutions?
Preparing Students for Tomorrow’s Careers

- **Every job is a climate job**, including the roles of consumer and citizen.
- Green jobs are growing faster than the rest of the economy.
- We can prepare students by encouraging their love of nature and providing high-quality **Career and Technical Education**.
- Making use of school **campuses as living labs** gives students opportunities to practice these skills and grow into leaders.