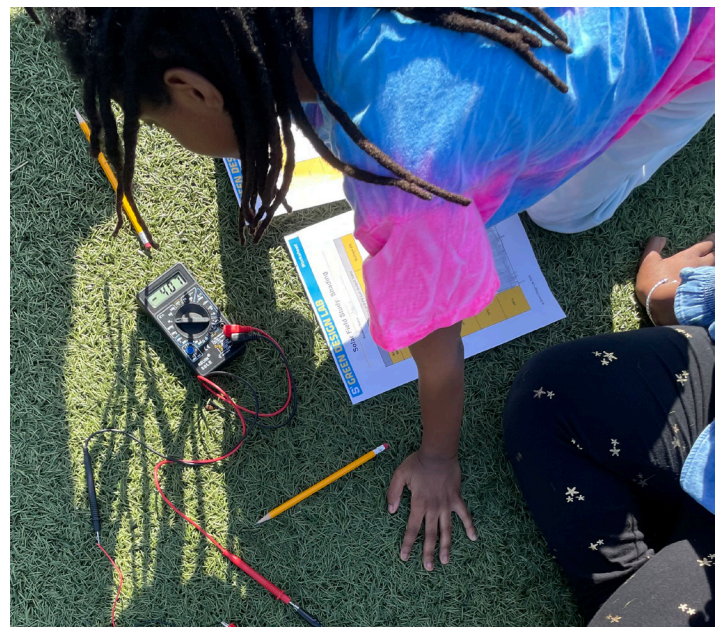


## Educating Youth to Combat the Climate Crisis

Solar One's K-12 Education Program: Green Design Lab™ – explores urban environmental sustainability and climate action through place-based STEAM programming and curriculum. Solar One's curriculum provides teachers with hands on lessons and resources to increase environmental knowledge around Energy, Water, Materials Science, and Food. Solar One's K-12 programs include classroom residencies that blend science with climate justice, co-teaching that trains students and teachers in clean energy and solar hard skills, professional development trainings that prepare teachers to bring renewable energy to life in their classrooms, green career internships that support youth leadership and workshops that turn students into advocates for sustainability in their schools and communities.

### Key Program Offerings:

- **Classroom Residencies:** Solar One offers classroom residencies to schools who are looking to bring climate action to life in their classrooms. Our hands-on lessons strengthen students' STEM skills while making connections to local sustainability initiatives. Lessons include: Solar Oven Challenge, Fun with Circuits, Building Batteries, Energy Conservation, Solar Powered Cars, and Designing a Wind Turbine. Classroom residencies can be implemented during school or out-of-school time and we offer anywhere from one-10 sessions. All hands-on supplies are included in our pricing.
- **Green Design Lab:** Providing environmental STEM education and Solar Career and Technical Training to students and teachers, nurturing sustainability awareness, and career readiness.
- **CareerCLUE:** In 2016, Solar One was the founding partner with the NYC DOE's Office of Community Schools and the Summer Youth Employment Program to launch CareerCLUE. Solar One's CareerCLUE provides youth with a unique summer experience that blends for-credit academics, leadership development, and engagement in environmental sustainability through career exploration and service learning.
- **CareerSTEP:** During 2021, Solar One launched CareerSTEP which extends CareerCLUE from summer into the school year and leads to placement in industry internships during the summer. This paid, afterschool work-based learning program takes an in-depth dive into sustainability careers that are in demand, featuring sectors such as solar, energy efficiency, environmental policy, climate communication, environmental education, public health, and urban agriculture. CareerSTEP consists of 1:1 career mentoring, guest speakers, sector- aligned projects, and community needs assessments.



- **Youth Advisory Council:** A new component to Solar One's education department, the YAC will integrate young leaders at NYC high schools into the visioning, planning, and implementation of Solar One initiatives across multiple departments to incorporate youth voice into pre-existing curriculum and programs.