CLEAN ENERGY INSTITUTE
UNIVERSITY of WASHINGTON

Clean Energy Ambassadors

The mission of the Clean Energy Institute is to accelerate the adoption of a clean energy future by advancing next generation solar energy and electrical energy storage materials, devices and systems, as well as their integration with the grid. The CEI offers a variety of educational programs reaching from K-12 to graduate education. We are expanding our speaking and educational outreach program by forming **The Clean Energy Ambassadors**. The Ambassadors take various clean energy demos and activities to schools, science fairs and community events.

Who are Clean Energy Ambassadors?
Undergraduates and graduate students who are interested in sustainability and renewable energy. Majors in physics, chemistry, and engineering will be familiar with the content but any student with an interest in outreach can participate. CEI will provide extensive training on the various activities and demonstrations.

How are Ambassadors booked?
Trained ambassadors are placed on our active speakers. When CEI gets a request for a visit for a specific date, audience, and a particular kind of activity, this is sent out to all ambassadors who then sign up. Often ambassadors will checking out an outreach kit or display item for the event.

What kind of activities do Ambassadors lead?
Solar Car Derby- Students add various solar cells to model car bodies with motors, gears and wheels. They race them in the sun or indoors under flood lights. Students have fun learning about solar cells and simple circuits.

Solar Energy Exploration- A set of desktop displays lets visitors learn about the different kinds of solar cells with spinning wheels, electric meters and a touchscreen interactive station. Students can also look at colored quantum dots, fluorescent dyes and emerging technologies.

Solar Panel Workshop- In this full day, (or 2 half day) high school workshop students design and build their own solar panel from individual cells. They learn to solder and predict the voltage and amperage of their solar charger.

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