



Funded Program Opportunity for Washington D.C. Area High Schools

We Share Solar Solutionary Program 2021-2022

Engaging, Hands-On STEM Global Service-Learning



We Share Solar® helps equip students for the future through solar energy education with real world impact. Our engaging Solutionary Program offers a project-based-learning experience with interdisciplinary curriculum designed around the 5E model of instruction. Trained teachers cultivate student interest in renewable energy and real world challenges, inspiring them to become effective global change-makers. Learn more at www.wesharesolar.org.

Who: High school teachers in the Greater Washington D.C. area (focus regions include D.C. proper, Columbia and Frederick, MD) interested in participating in a We Share Solar program in the 2021-22 school year. The program targets grade 9-12 teachers. Learning will focus on the science of solar, climate change, global energy access, and innovation. Project-based learning methods engage students as they address essential questions, promoting independent and entrepreneurial thinking.

What: A grant from the Wells Fargo Foundation generously supports this program in Washington D.C. In a one-day, hands-on workshop, We Share Solar trains teachers to implement the program in their classrooms. Teachers are provided access to digital curriculum, which includes approximately 7 hours of core lessons plus a supplemental lesson library of 20+ content hours adaptable for each teacher's use, and set of 3 Solar Suitcases with solar lab equipment. During the workshop, participating teachers preview how to assemble a Solar Suitcase, equip and prepare it with their students for deployment to an energy deficient school in East Africa. The workshop also covers how to teach principles of solar electricity along with practice of applying innovative thinking in engineering of new ideas. Teachers then lead their students through the lessons and building of our standalone solar system and learn about the impact of innovative solutions through international deployment of the Solar Suitcase. Once Solar Suitcases are installed in East Africa, participating schools receive a high impact placement story and photos of their students' work in action. Remaining Solar Suitcases stay in the classroom for year-on-year learning.

When: Application forms are due by May 21, 2021. Selected teachers will be invited to a one-day professional development workshop tentatively scheduled for September 25th or October 2nd (in-person or virtual TBD). The ideal program timeline is to implement with classes in the fall and return deployment suitcase in January.

Cost: There is no cost to schools or teachers to participate in this grant funded program. Schools will receive training, curriculum, Solar Suitcase equipment and learning tools, and international deployment of a Solar Suitcase to East Africa valued over \$5,000. Teachers will receive a \$150 stipend for participation in the workshop.

Application Deadline: May 21, 2021 - Complete the Application Form [HERE](#).

Questions: Please contact Alli Pernerl, Program Coordinator education@wecaresolar.org