

# Solar Energy Challenge Workshop

December 7, 2024 from 9 am until 3 pm  
119 Chambers Building, University Park, PA 16802



[Register now!](#)

**Learn how to coach a team of students to compete in our inaugural solar challenge, including details on solar power, basic electronics, properties of light and designing a building with integrated photovoltaics.**

Presented by Dr. Susan Stewart and Stephanie Klixbull

**When students participate in the Solar Challenge they will:**

- Discover solar energy as a resource and its ability to provide clean energy solutions to meet the needs of society
- Design, build and test a functional, creative solar power solution
- Compete with their peers in a supportive environment

Solar electric power is one of the fastest growing energy resources in the United States today. In this workshop you will engage in hands-on activities that will introduce you to the science behind solar energy while putting easy-to-use tools in your hands. Hands-on activities include evaluating performance of solar devices under a variable solar resource, applications of solar energy, basic electrical concepts, and properties of light. These investigations are powerful vehicles to expose students to “difficult-to-hold-onto” concepts like energy conversion and transfer, electricity generation, and our energy future. You will leave this workshop with the knowledge, skills, and resources needed to introduce students to solar energy concepts as well as how to integrate solar power into building designs. You can use the activities from the workshop with your students to get them excited about clean energy systems.

**Target Audience:** Teachers of students in grades 4-12

- This workshop is FREE to all educators with ACT 48 (5 hours).
- A continental breakfast and lunch are provided by the Center for Science and the Schools (CSATS).
- An introductory KidWind Solar Kit.

Register online now to reserve a spot today.

**Contact:** Stephanie Klixbull at [smk7256@psu.edu](mailto:smk7256@psu.edu)



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