



Pennsylvania State Energy Challenges

Pennsylvania 2024 KidWind Challenge Workshop

October 26, 2024

9:00 A.M. - 3:00 P.M.
Room 125

**TechWorks, Commonwealth Charter Academy
162 East Bridge St, Homestead, PA 15120**

Have you wanted to participate in KidWind? Or need a refresher of the fundamentals of the KidWind Challenge? In this workshop you will engage in activities that will introduce you to the science behind wind energy while putting easy-to-use tools in your hands to prepare students to compete in the KidWind Challenge. Activities include designing turbine blades, building a wind turbine, testing the power output, and refining the turbine design to generate the most power. 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 tools to build a KidWind turbine and the knowledge, skills, and resources needed to introduce students to wind energy concepts.

Is your team wanting to compete in PA KidWind Competition?!

You will have to attend a regional Pennsylvania competition and qualify to then compete at the PA KidWind 2025 State Competition on Penn State’s University Park Campus. There will be three regional competition locations this year. You can choose which regional you would like to attend. Regionals will be held at the following locations:

- Penn State Hazleton, February 12, 2025
- Penn State Greater Allegheny, February 14, 2025
- Penn State Altoona, February 24, 2025

Target Audience: Teachers of students in grades 4-12

This workshop is FREE to all educators and is aligned to the newly adopted Pennsylvania STEELS Standards and Next Generation Science Standards.

Benefits:

- Continental breakfast and lunch provided.
- 5.5 hours of Act 48 credits.
- An introductory KidWind basic kit, (Valued \$134.00)

[Apply Now!](#)

For more information: Contact Stephanie Klixbull- smk7256@psu.edu

