



PowerWheel

Electricity Production for Secondary Students

Middle and High School

Virtual Training for Northwest Teachers

October 27: 4:00 - 5:30 PM

The curriculum acts as an introduction to learning about engineering design, alternative energy, or physical science concepts. The PowerWheel was designed to be a foundational tool for the instruction of energy and physics.

Students will learn how decisions are made while considering tradeoffs and stakeholders. To do this, they will explore which form of energy best meets the needs for Dakota Brown, a fictitious environmental engineer looking to relocate to a new state.

Available to Teachers at No Cost

-) \$200 kit with PowerWheel for classroom activity
-) Google Classroom access to:
 - o Curriculum with teacher notes via PowerPoint
 - o Video tutorials
-) WA: 90-minute training with WA OSPI clock hours offered
-) OR: 90-minute training with Certificate of Completion for 1.5 Professional Development Units (PDUs)

Supplies Limited, Apply Now

-) Sign up for training: <https://www.pdenroller.org/esd171/catalog/147742>
-) Distribution will be First Come, First Serve
-) Kits will be distributed after participant attends training

Questions?

Contact Bob Bauer (509) 661-4939
Robert.bauer@chelanpud.org

Quality Assurance

-) Written by Mechelle Lalanne, STEM Educational Consultant and former North Central ESD Managing Director of Science Education
-) Aligned with Next Generation Science Standards
-) Reviewed and supported by power generation provider

Sponsored by



Science Standard Alignment

Middle School

MS-ETS1-1:

nextgenscience.org/pe/ms-ets1-1-engineering-design

MS-ETS1-2:

nextgenscience.org/pe/ms-ets1-2-engineering-design

MS-ETS1-3:

nextgenscience.org/pe/ms-ets1-3-engineering-design

High School

HS-ETS1-1:

nextgenscience.org/pe/hs-ets1-1-engineering-design

HS-ETS1-2:

nextgenscience.org/pe/hs-ets1-2-engineering-design

HS-ETS1-3:

nextgenscience.org/pe/hs-ets1-3-engineering-design

HS-ETS1-4:

nextgenscience.org/pe/hs-ets1-4-engineering-design

With the PowerWheel

HS-PS3-3:

nextgenscience.org/pe/hs-ps3-3-energy