



The National Energy Education Development (NEED) Project promotes an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders.

How it Works

OPPD and our partners at the National Energy Education Development (NEED) Project are excited to bring to life the Energy Education Program for educators in the OPPD service territory. This program is a STEM, project-based program that combines energy workshops for teachers, hands-on activities in the classroom and curriculum aligned with the Nebraska State Standards for Science.

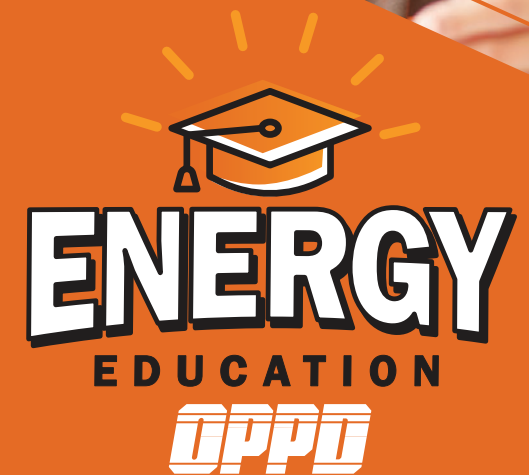
If you'd like to learn more about how OPPD can help your class increase its energy knowledge, visit our website or send an email request.

oppd.com/energyed

ejbensalah@oppd.com



ENERGY EDUCATION PROGRAM



Teacher Professional Development | Classroom Presentation



OPPD Provides A Fun And Educational Learning Opportunity For Students 3rd Through 12th

ELEMENTARY

Request a hands-on lesson from OPPD to teach your students about energy. We will work with you to set up a date and time. Materials for visits will be provided, alongside lessons and information to continue teaching about energy conservation. Lessons include students creating their own windmills and solar ovens.

MIDDLE SCHOOL

Students will learn about wind and solar energy, energy efficiency and careers in energy through exciting and challenging hands-on STEM activities provided by OPPD.

HIGH SCHOOL

Request a visit from OPPD to educate and work with your students on an energy topic for a class period. Topics include hands-on STEM lessons, energy efficiency and career discussions.



Teacher Workshops Available For Professional Development

As your energy partner, OPPD is dedicated to providing education opportunities for teachers through Teacher Workshops, facilitated by NEED. These workshops cover the science of energy, energy conservation and more! Expand your knowledge and the knowledge of your students through these biannual professional development workshops.

TOPICS INCLUDE:

- Science Energy
- Electric Connections
- Energy Efficiency
- Careers in Energy
- Baseload Balance

Classroom Learning Opportunities



Windy Wonders

Where does wind come from and how do we harness it to work? Students will learn the basics of wind energy and create their own weightlifter turbine.



So Into Solar

Solar energy is our most abundant energy source. Students will learn how to use energy from the sun to work and create their own solar oven, or learn how solar panels work (HS).



Energy Source Exploration

Energy comes from a variety of sources. Students will create displays on energy sources and present the information they've learned to their classmates and OPPD Staff.



Energy Efficiency & Conservation

Saving energy in our homes and schools is something all of us can do. Students will learn about energy efficiency and conservation while creating their own energy house.



Careers In Energy

The energy industry offers a wide variety of career options, from line workers to customer service reps to accountants. Invite an energy professional to your classroom to speak about their career.