

# OHIO'S ELECTRIC COOPERATIVES

Your Touchstone Energy® Cooperatives 



## 2023/24 School Year

# E<sup>3</sup> Program

• ENERGY • EFFICIENCY • EDUCATION

Ohio's Electric Cooperatives (OEC), in partnership with the Ohio Energy Project (OEP), is pleased to provide an award-winning education program for your school. The E<sup>3</sup> Program is designed to promote energy literacy, an understanding of the nature and role of energy in the universe and in our lives. In addition, the program is aligned with Ohio's Learning Standards. As a school partner, you will be provided with the curriculum, laboratory equipment, and support activities to bring STEM learning to the classroom — **at no cost to you or your school**. Funding for your school's program is being provided by your partner in education, your local electric cooperative.

### Teachers Will:


- Experience hands-on professional development to boost your confidence in teaching four STEM labs, and "ready to go" support activities designed to reinforce learning.
- Receive a minimum of \$2,000 in curriculum, lab equipment, and support activities for classroom instruction, as well as a home efficiency kit and lab guide for each student.
- Receive a \$200 stipend for alumni teachers, \$100 stipend for new teachers, after submitting required data.
- Obtain CEU documentation and optional semester hour graduate credit from Ashland University.

### Students Will:

- Experience hands-on STEM learning in labs that require collaboration, writing, and analyzing and recording data.
- Engage at home through OEP's innovative "Kids Teaching Families" approach that promotes student leadership in installing the efficiency kit items at home.
- Understand the importance of energy literacy, knowing how much energy they use, what uses energy, and where that energy comes from.

### Communities Will:

- Benefit from students leading their families and communities in making informed energy use decisions, impacting the economy and environment.
- Benefit from students' understanding of energy, preparing them as future citizens in securing a sustainable energy future.
- Establish partnerships between the local electric cooperative, teachers, students, and families.

A large, stylized graphic of a lightbulb on the left side of the page, with the top half cut off by the edge of the page. The lightbulb is white and has a silver base.

**3–12 grade  
teachers of  
science,  
technology, and  
environmental  
science are  
encouraged to  
apply for the  
2023/24 school year**



Hands-on materials allow students to make real world connections in making their homes more energy efficient.

## Student Home Energy Efficiency Kits

Each of your students will receive an energy efficiency kit to install at home with their family, reinforcing the energy concepts they learned in the classroom.

Student kits provide energy-saving efficiency measures to help students learn important energy-saving steps they can use in their own home, which also saves families energy and money.

### Student Energy Efficiency Kit Contents

- LED bulbs
- LED night light
- Energy use gauge thermometer
- Refrigerator/freezer thermometer
- Hot water temperature card
- Water flow meter bag

## Training Curriculum

### Elementary

What Is Energy?  
Lighting  
Water Heating  
Insulation, Heating, and Cooling  
Appliances  
What Have We Learned?

### Secondary

What Is Energy?  
Thermal Energy  
Electrical Energy  
Energy as a System  
What We Have Learned?

## Classroom Equipment Provided

Curriculum workbook	Thermostat temp. guide
Dynamo flashlight	Draft stoppers
6 lab thermometers	Door sweep
2 LEDs	Weatherstripping
2 lamp bases	Energy baton
6 Kill-A-Watt meters	*Gram scale
LED night light	*Hanging balance scale
Refrig./freezer thermometer	*Hygrometer
Insulation containers	*LCD thermometers
Digital thermometers	*Infrared thermometer

\*Items only for secondary curriculum



Elementary classroom equipment



Secondary classroom equipment

## Frequently Asked Questions 2023/24 School Year–E<sup>3</sup> Program

**Q: What is the cost of the E<sup>3</sup> program?**

**A:** The classroom materials, student kits, teacher workshop, lunch, and optional hotel stay are FREE with this program.

**Q: How are teachers selected to participate in this program?**

**A:** Ohio Electric Cooperatives sponsor the E<sup>3</sup> Program. Teachers participating who completed the program last year and submitted data are generally invited to participate again. Additional teachers from the Ohio Electric Cooperative communities may also be selected from this program, but participation is limited.

**Q: When will I be notified if I am selected as a participant?**

**A:** You will be notified by email if you are selected to participate. Only a limited number of teachers will be selected. Early application is highly recommended.

**Q: Do I have to attend the teacher workshop if I participated in the training last year?**

**A:** Yes, you will need to attend the Alumni Workshop & Awards Luncheon. At that time you will receive updates as well as feedback on the program.

**Q: How much graduate credit is available and how much does it cost?**

**A:** Graduate credit is one semester hour from Ashland University at a reduced rate. To fulfill the required amount of 10 contact hours, you must complete the additional hours through other available OEP programs.

*Ohio's Electric Cooperatives, in partnership with the Ohio Energy Project, are committed to helping schools reach their goals by providing excellent, award-winning materials and professional development through a unique energy educational opportunity.*



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**The E<sup>3</sup> Program is supported by Ohio's Electric Cooperatives in partnership with the Ohio Energy Project (OEP).**

- **Ohio's Electric Cooperatives** provide power to nearly 400,000 homes and businesses throughout predominantly rural Ohio and believe in the value and importance of energy education. They sponsor the E<sup>3</sup> program as part of their Energy Advisor service to their consumers.
- **OEP** is a statewide, nonprofit education organization whose mission is to inspire leadership and energy innovation in students and teachers.