



Worthington Energy Programs



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Worthington City Schools



In partnership with Ohio Energy Project the goal of the Worthington Energy Program is to empower teachers, students, home and communities through energy education opportunities.

This goal is accomplished through professional development for educators, energy education programs for students, homes and community.



District Energy Programs



Professional Development



4th Grade Electricity, Circuits and Thermal Energy



5th Grade Light and Sound

Goal 1: Professional Development

Promoting energy education to Worthington educators by providing them with excellent professional development opportunities and up-to-date resources.

- Grade Level Training: Grade specific half day learning sessions geared to match the energy curriculum for grades 3, 4, 5.
- Worthington teachers Kristi Patrick and Joannie Long participated and received curriculum, lesson plans, pre/post poll assessments and a teaching kit of equipment.

Grade Level Programs



Leadership

Thomas Worthington Leaders



Leadership Activities



Goal 2: Energy Workshops

High and middle school students had the opportunity to receive training and to practice leadership and communication skills at a half day workshop. In addition, students learn and practice hands on energy and efficiency lessons aligned to 5th grade standards.

District Participation:

- 2 high schools
- 2 middle schools
- 7 Elementary Schools

Student Leadership:

- 173 high school leaders trained
- 47 middle school leaders trained

Evaluation:

- 8 teachers led Leadership Summit teams
- High school and middle school leaders impacted 459 5th grade students



Summits & Workshops



Energy Education Programs



Worthington 5th graders rotated through 10 stations concentrated on the physical science topics of light, sound and forces and motion

5th Grade Energy Programs

Goal 3: Energy Education Programs “Kids Teaching Kids”

Through partnership with Ohio Energy Project, OEP hosted Energy Workshops at 7 Worthington City Schools Elementary buildings. This allowed 5th grade students in the district to participate in 60 minutes of hands on energy explorations.

Student Impact: 459 elementary students were impacted by the Energy Workshops.

Evaluation:

Students completed a pre and post assessment to analyze knowledge gained post the Worthington Energy Workshops.

Number of
Students: 459

Pre-Poll
Average: 48%

Post-Poll
Average: 68%

Knowledge
Gained: 42%



District Science Fair



Pictured: Ishayu Chakroborty, 8th grader at Kilbourne Middle School, won the Outstanding Energy Award for his project on Electromagnets

Goal 4: Real World Energy Concepts

Ohio Energy Project encourages Energy Projects at the Worthington District Science Fair.

Through the sponsorship of the **Outstanding Energy Award**, students are motivated to further explore and the application of energy by designing a Science Fair Project.



Worthington Fair



Energy Efficiency

Goal 5: Energy Efficiency

SCHOOLS & TEACHERS IMPACTED:

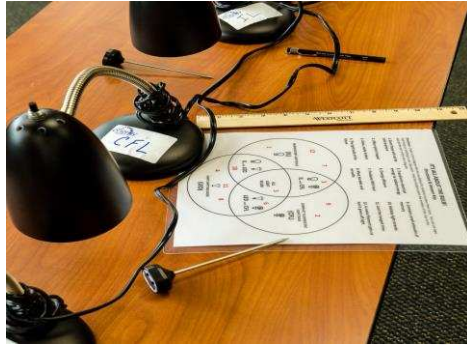
- 8 schools participated and 15 teachers were trained and received materials for the E³ Smart program.

STUDENTS IMPACTED:

- Students put classroom labs into practice with a “school to home” approach teaching their families about energy efficient measures being installed at home.
- 1,151 students received an energy efficiency kit through the E³ Smart program and installed them at home.

EVALUTION:

- We ask all students to complete the family installation survey to measure the energy savings from the program.



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School & Community