

Project Reporting Form

State: Ohio

Project: **Energy Saving All-Stars** Form: 1 of 1

Goal: #1

To learn about energy by attending an OEP Energy Fair.

Energy Content Activities:

- Energy Explorations
 - ⇒ Heat
 - ⇒ Light
 - ⇒ Sound
 - ⇒ Watts Up
 - ⇒ Petroleum
- Energy Carnival Games
- Energy Bike and Energy Transformations with Toys
- Energy Efficiency House

Student Leadership:

- Leaders from North High School facilitated all energy activities at the Energy Fair.
- West Elementary School students that attended the Energy Fair hosted an Energy Carnival for the 4th graders in our building in March.

Resources:

- Ohio Energy Project
- NEED Energy Carnival
- Promotional materials from local utility providers
- EPA Handout-*How to Properly Dispose of CFL's*

Evaluation:

Results from Pre-Polls and Post Polls from the Energy Fair.

	# of students	pre-poll score	post-poll score	% increase in knowledge
Energy Fair	30	55%	76%	38%

Each student received a CFL for participating at the Fair. Signed parent forms showed 98% of students installed their CFL at home.

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Goal: #2

To learn about student leadership and energy by attending an OEP Youth Energy Summit and conducting an Energy Workshop.

Energy Content Activities:

- Leadership Activities-Energy Bingo, Pizza Activity
- Energy Explorations-heat, light, sound, watt up, petroleum
- Energy Carnival Games
- Energy Bike and Energy Transformations with Toys
- Energy Efficiency Houses

Student Leadership:

- Ten North HS students were trained at an OEP Youth Energy Summit along with students from four other regional high schools.
- North HS students facilitated an OEP Energy Workshop in Central Ohio for ten schools and sixty students from the region.

Resources:

- Ohio Energy Project
- NEED-Energy Carnival & Energy House

Evaluation:

Results from Pre-Polls and Post Polls from the Energy Summit and Energy Workshop.

	# of students	pre-poll score	post-poll score	% increase in knowledge
Energy Summit	10	80%	95%	19%
Energy Workshop	60	50%	77%	54%

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Goal: #3

To learn about energy efficiency in our classroom.

Energy Content Activities:

- Energy Bike
Heat Bulb, Light Bulb Activity
- Energy Efficiency Lessons
Lighting
Appliances
Insulation
- Textbook Lesson
Insulators and Conductors

Student Leadership:

- Students were empowered in class to teach their families how to make their homes more energy efficient.

Resources:

- OEP-Energy Efficiency Handbook
- U.S. Department of Energy-Saving Energy at Home
- AEP Ohio/DP&L-Home Energy Audit Kits
- EPA Handout-*How to Properly Dispose of CFL's*

Evaluation:

63 of 75 students (84%) completed the home energy audit.

Students reported installing 250 CFL's in their homes. These CFL's saved:

- ⇒ 192,500 kWh of electricity
- ⇒ \$17,325 in electricity costs avoided
- ⇒ 308,000 lbs of CO₂ not released into the environment