Project: Educating and Serving Our Community in Energy Conservation

Summary: The goal of our Energy Team this year was to educate our young people and the community in energy conservation and about energy resources. Our activities this year included our own school energy fair, a jr high classroom lesson to 7th graders on energy conservation in the home and a demonstration on how to use the energy kit, and a school recycling program.

*We were very successful this year and accomplished the goals set forth reaching over 5,000 individuals.
The Energy Summit

Goal 1: Attend an energy summit in Lima, Ohio to learn how to be an effective leader in educating our young people about energy conservation.


Student Leadership: The students learned new energy concepts, games, and activities educate young people. Learned to work together as a team.

Resources:
- OEP
- NEED Project Book
- BE3

Evaluation:
The students completed a survey at the conclusion of the summit.
LEHMANN ENERGY FAIR

JANUARY 29, 2019

LEHMANN CATHOLIC HIGH SCHOOL
Goal 2: To educate our 6th graders on energy resources, energy concepts and conservation.


Student Leadership: The students learned new energy concepts, games, and activities educate young people. Learned to work together as a team.

Resources:  
- OEP  
- NEED Project Book  
- BE3  

Evaluation:  
The students completed a severe at the conclusion of the summit

LEHMAN HIGH SCHOOL ENERGY FAIR FOR AREA 6TH GRADERS
HOW DOES ENERGY TRAVEL THROUGH SOUND WAVES?

JACQUIE IS TEACHING STUDENTS HOW ENERGY CAN TRAVEL

Area 6th graders from Holy Angels, Piqua Catholic, St. Patricks, St. Mary’s, Ohio
Angela is teaching students about sound energy. They loved the ukulele!!

110 Students

POTENTIAL AND KINETIC ENERGY

GRACE AND ANGELA ARE TEACHING STUDENTS ABOUT DIFFERENT FORMS OF ENERGY
THERMAL ENERGY

*COLE AND MITCHELL ARE TEACHING STUDENTS ABOUT THERMAL DYNAMICS

*THIS STUDENT IS LEARNING HOW HEAT TRANSFER WORKS
LIGHT REFLECTION

MIKKEL AND ETHAN ARE TEACHING STUDENTS HOW LIGHT REFLECTS
Goal 3: To increase student and parent awareness of energy conservation

Activities: Students provided explained how to use DP and L electrical energy conservation kits

Student Leadership: Students explained to seventh graders how to conserve energy in the home

Resources:
- DP & L Electrical Energy Kit
- OEP

Evaluation: Students were asked to complete a survey analyzing what they used out of the kit, and what tips were helpful.

Holy Angels 7th grade - 27 students

Thank you DP&L and Vectren

LED vs Incand Using Radiometer

Demonstrating the Kits
DAYTON ENERGY FAIR
@ WRIGHT STATE UNIVERSITY
FEBRUARY 27, 2019
LEHMNAN ENERGY TEAM
Goal 4: To increase student and parent awareness of energy conservation

Activities: Students provided explained how to use DP and L electrical energy conservation kits

Student Leadership: Students explained to seventh graders how to conserve energy in the home

Resources: DP & L Electrical Energy Kit OEP

Evaluation: Students were asked to complete a survey analyzing what they used out of the kit, and what tips were helpful.
JACQUIE, ANGELA, MIKKEL, AND MIKEY TEACHING 4TH GRADERS ABOUT ENERGY RESOURCES USING THE ENERGY SOURCE BOARDS.
JACQUIE AND ANGELA ARE SHOWING STUDENTS HOW SOUNDS WAVES MOVE

TOP RIGHT: COLE IS SHOWING THE IMPORTANCE OF THERMAL ENERGY
GRACE IS TEACHING CHILDREN ABOUT LIGHT REFRACTION

SARAH AND GRACE TEACH STUDENTS HOW SOUND WAVES TRAVEL
THANK YOU OEP, DP & L, VECTREN, AND NEED FOR THIS OPPORTUNITY TO EDUCATE OUR COMMUNITY!