



2018-2019



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.**

LEHMAN ENERGY TEAM

ADVISOR: TRACY HALL

LEHMAN CATHOLIC HIGH SCHOOL

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.

Activities: Intro to Energy, Energy Relay, Snap Circuits, Energy Carnival, and Energy Exploration Stations.

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
Energy Resource Manual

Evaluation:

The students completed a survey at the conclusion of the summit.



**OUR GROUP PICTURE
WITH OUR FRIENDS FROM
LIMA CENTRAL CATHOLIC**



E N E R G Y



LEHMAN ENERGY FAIR

JANUARY 29, 2019

LEHMAN CATHOLIC HIGH SCHOOL

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

Activities: Intro to Energy, Energy Relay, Snap Circuits, Energy Carnival, and Energy Exploration Stations.

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

Energy Resource Manual

Evaluation:

The students completed a severe at the conclusion of the summit



LEHMAN HIGH SCHOOL ENERGY FAIR FOR AREA 6TH GRADERS



Area 6th graders
from Holy Angels,
Piqua Catholic, St.
Patricks, St.
Mary's, Ohio



HOW DOES ENERGY TRAVEL THROUGH SOUND WAVES?

JACQUIE IS TEACHING STUDENTS HOW ENERGY CAN TRAVEL



**Angela is teaching
students about
sound energy.
They loved the
ukulele!!**

110 Students

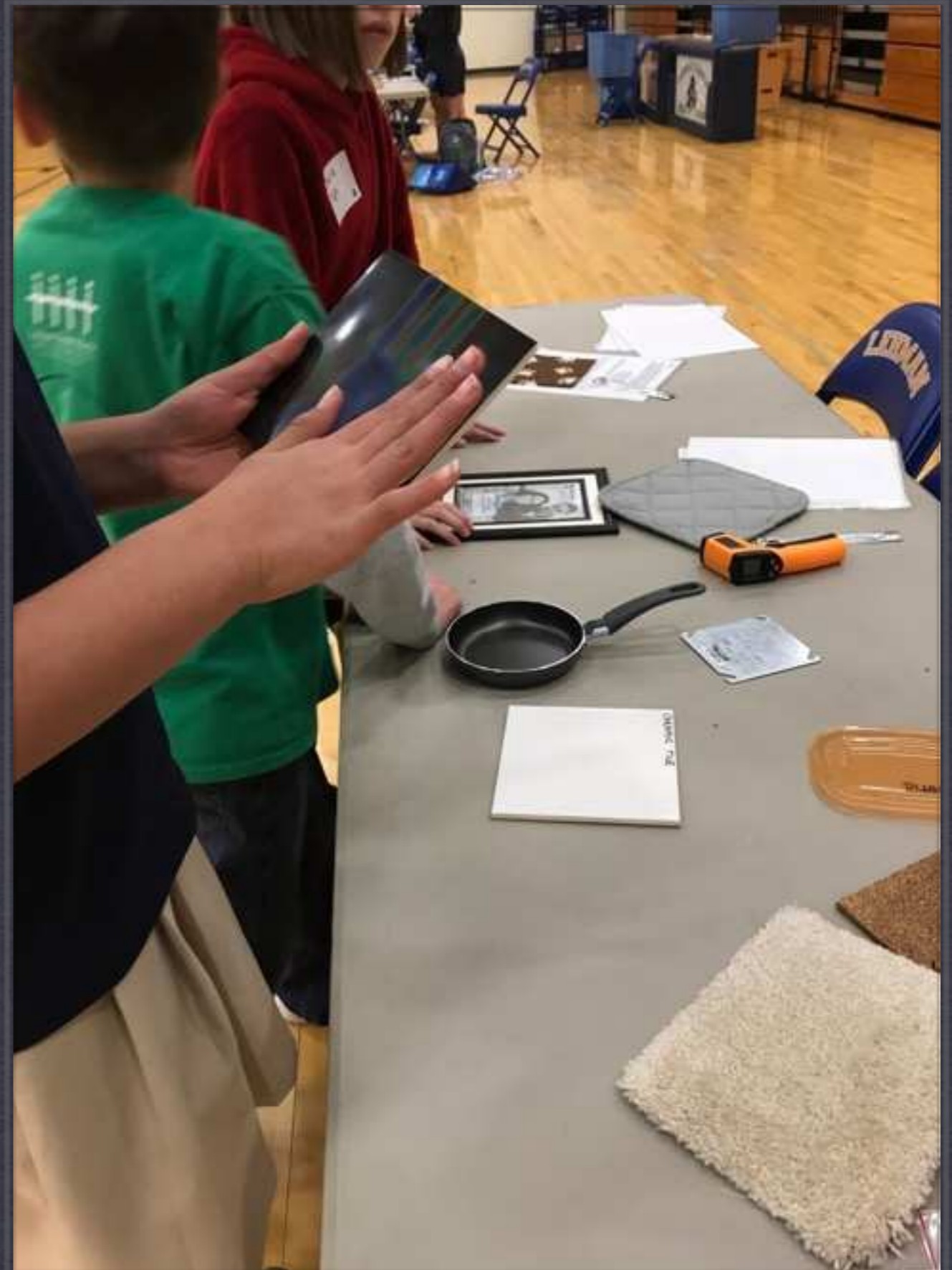
POTENTIAL AND KINETIC ENERGY

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



Community Service

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
NEED
Energy Resource Manual

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



Thank you DP&L and Vectren



LED vs Incand Using Radiometer



Demonstrating the Kits

Holy Angels 7th grade - 27 students



DAYTON ENERGY FAIR

@ WRIGHT STATE UNIVERSITY

FEBRUARY 27, 2019

LEHMAN 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.



LYNDSEY IS PLAYING ENERGY CONNECT 4 WITH STUDENTS

LEARNING ENERGY RESOURCES WHILE PLAYING CONNECT 4

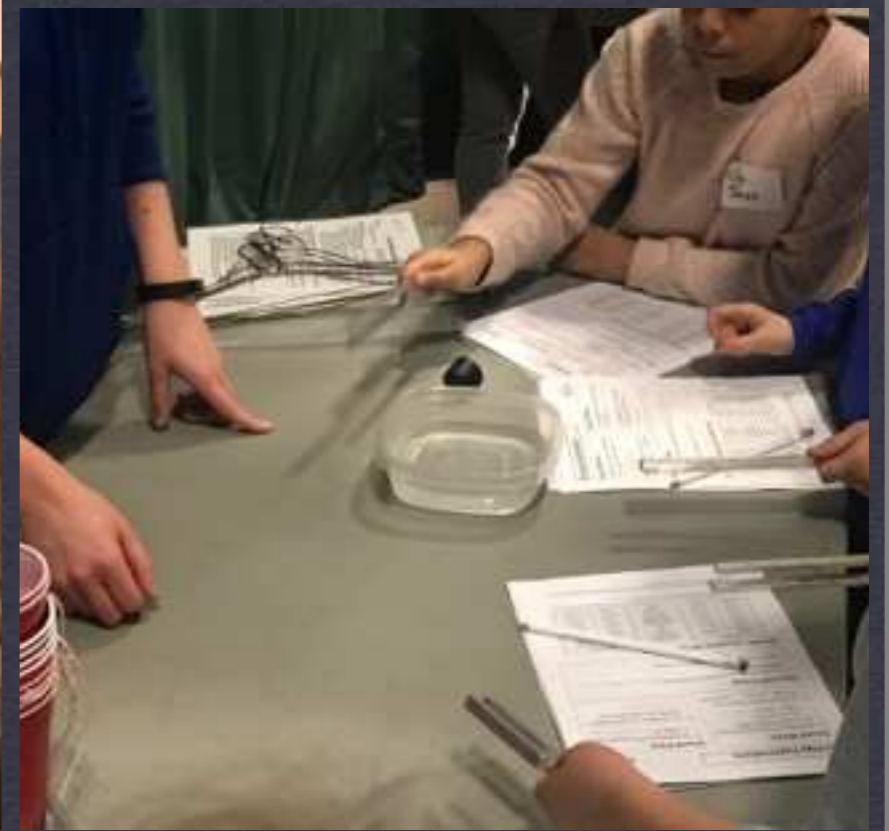


JACQUIE, ANGELA, MIKKEL, AND MIKEY TEACHING 4TH GRADERS ABOUT ENERGY RESOURCES USING THE ENERGY SOURCE BOARDS.



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!