

# LEHMAN CATHOLIC HIGH SCHOOL

EDUCATING AND SERVING OUR COMMUNITY  
IN ENERGY CONSERVATION

ADVISOR: TRACY HALL



**SUMMARY:** Our goal this year was to educate our young people and the community in energy conservation and about energy resources. Our activities included our own school energy fair, a classroom lesson to all our freshman on energy conservation in the home, a community energy fair for our area 6th graders, and a school recycling activity.

# GOAL 1: To increase student AND parent awareness of energy conservation and energy resources

- Energy Content Activities:

- What did we do exactly with the students?

- Student Leadership:

- The student leaders were in charge of educating freshman on energy conservation tips in their home.

- Resources:

- NEED project book
  - BE3
  - Energy resource manual

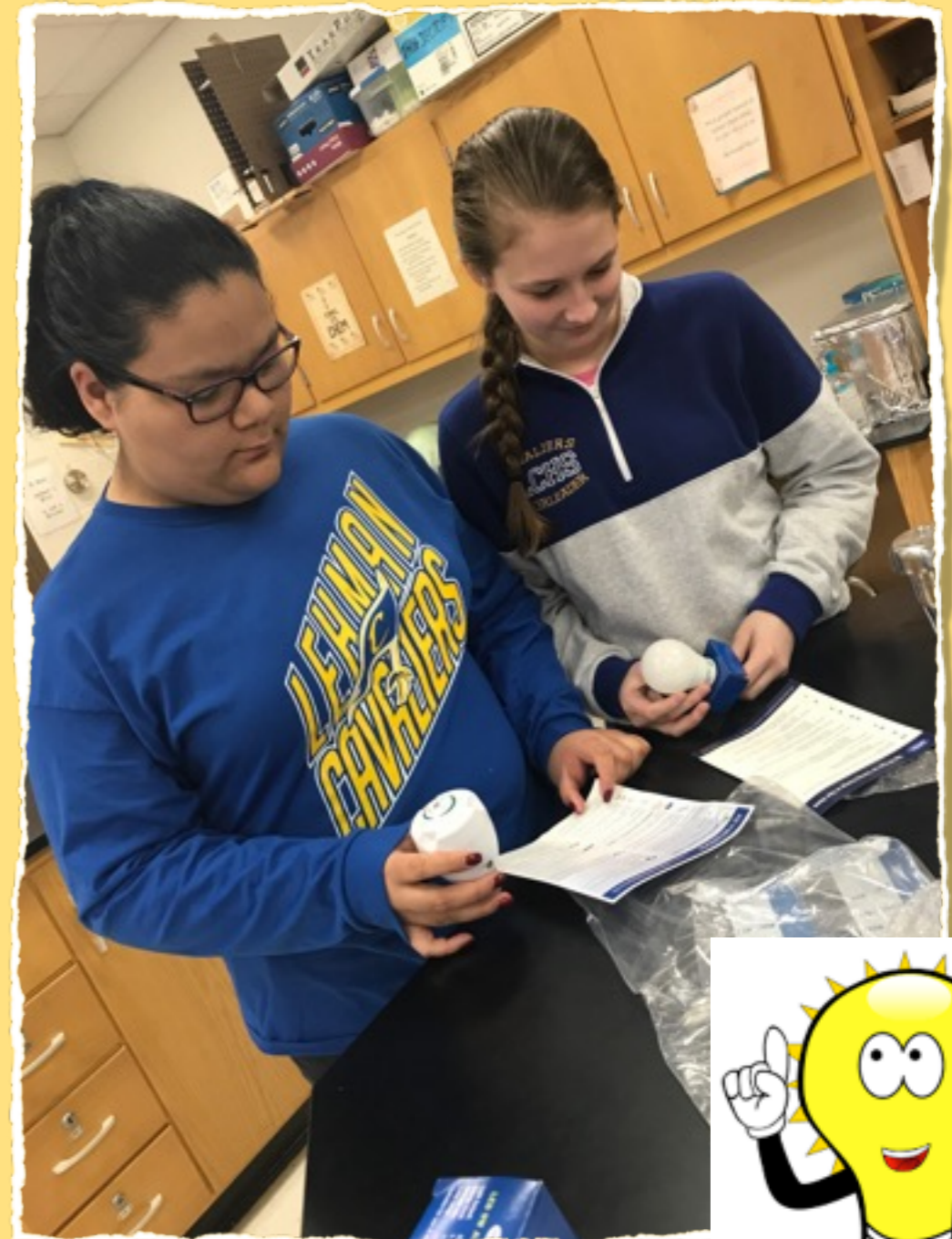
- Evaluation:

- Teacher led instruction of energy conservation
  - Student interest and participation
  - Student surveys
  - Energy surgery submitted online to OEP





Students learned how they can lower the energy cost in their home and at school.



Teaching how efficient LED bulbs can be and the cost efficiency of a low flow shower head

## Goal 2: Attend an energy summit to learn how to be an effective leader in educating young people about energy conservation.

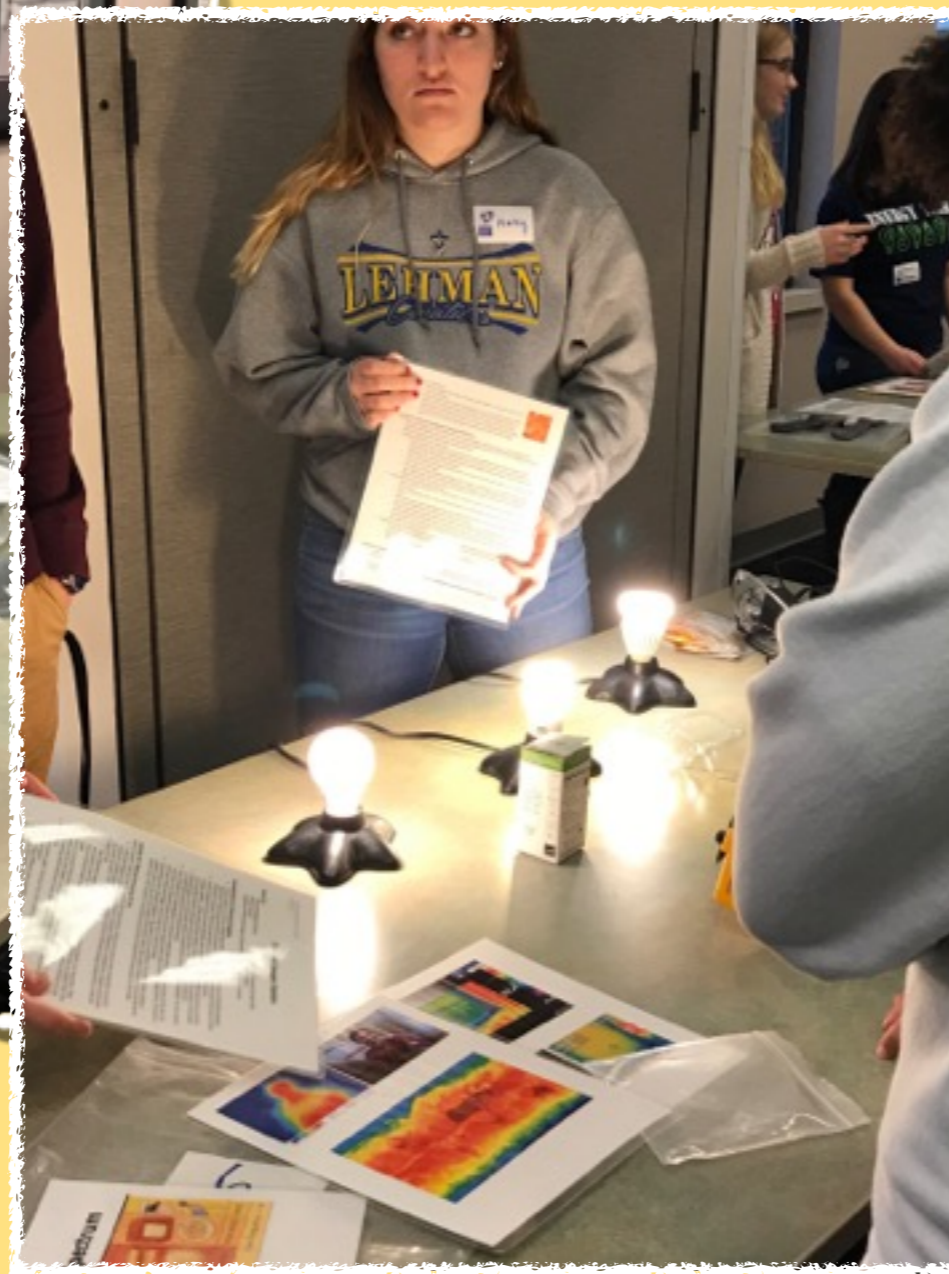
- **Energy Content Activities:** Energy Conservation activities, games, and exercises on working together and communicating as a team
- **Student Leadership:** The students learned new energy concepts, games, and activities to educate young people
- **Resources:**
  - NEED project book
  - BE3
  - Energy resource manual
- **Evaluation:** Students completed a survey at the conclusion.



Abby is teaching sound energy

# Leadership

The possibilities.....



The opportunities.....

Our wonderful energy team + one friendly oakwood student at the summit!!



Learning how to communicate with each other

Learning how to work together as a team at the summit!



# Goal 3: To have an energy fair for our feeder school 6th graders on energy resources and conservation

- **Energy Content Activities:** Energy conservation activities, games, and exercises on working together and communicating as a team?
- **Student Leadership:** Taught the 6th graders about energy sources.
- **Resources:**
  - NEED project book
  - BE3
  - Energy resource manual
- **Evaluation:** Students were given a pre/post survey



Connor and Mikkel  
teaching students about  
energy transformation!!!



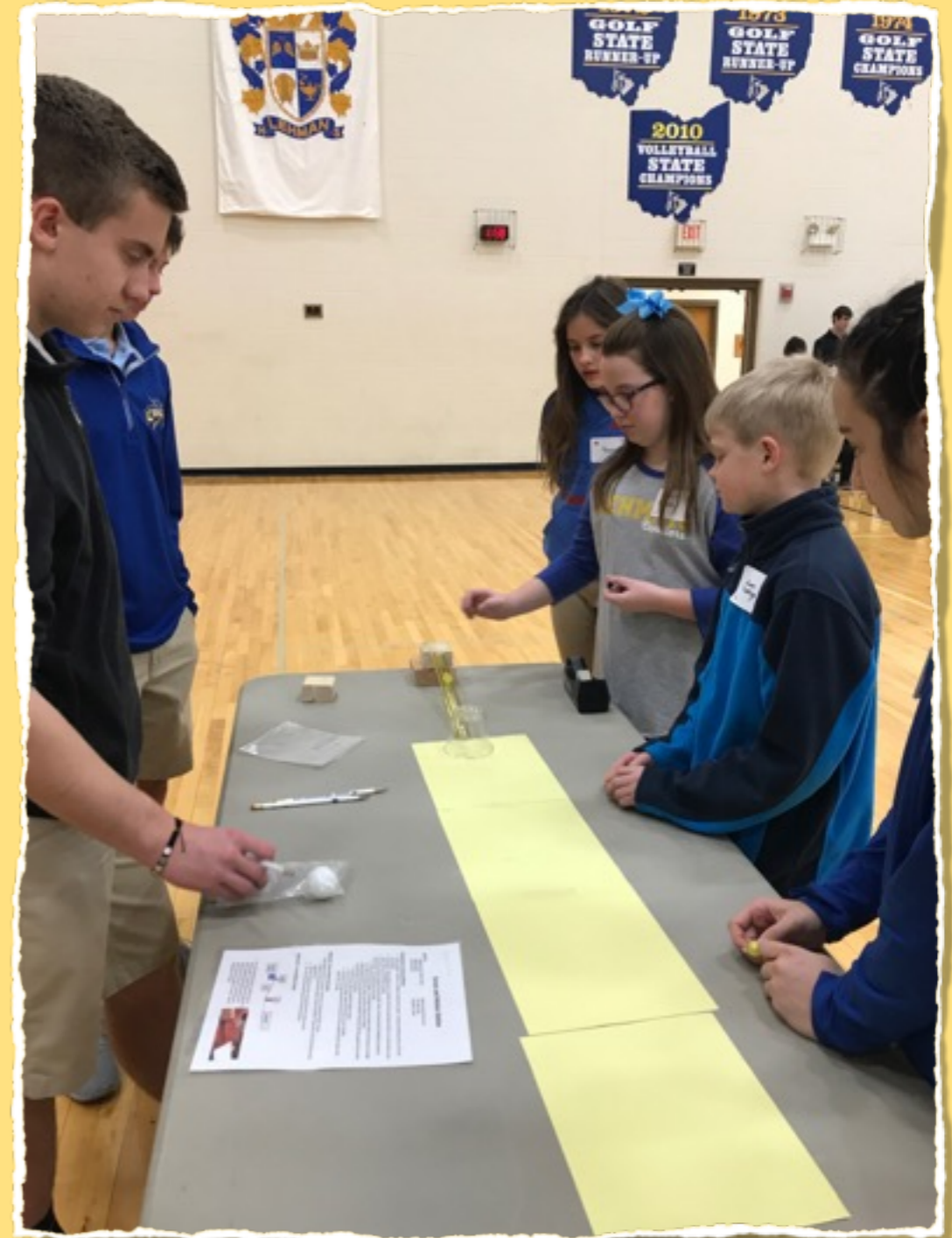
Students learning about  
kinetic and potential energy





Jacquie educating students  
on how sound energy  
travels

Cole teaching students  
about forces in motion!!



# GOAL 4: Educate Dayton area 4-5-6 graders on energy sources and energy conservation

- **Energy Content Activities:** Energy conservation activities, games, and exercises on working together and communicating as a team?
- **Student Leadership:** Taught the 4-5-6th graders about energy sources.
- **Resources:**
  - NEED project book
  - BE3
  - Energy resource manual
- **Evaluation:**
  - Teacher input
  - Student participation





Theresa is  
teaching  
sound energy  
to students

## Our Dayton Energy Fair team leaders -

Megan, Abby, Hailey, Alanna, Ryan,  
Ryan, Melanie, Theresa, Griffin,  
and Michael.





The students learned just how much energy and watts the appliances actually use



Ryan and Michael teach energy transformation



Snap circuits are the best!!

# GOAL 5: To Educate our school community on how to save energy and recycle

- **Energy Content Activities:** This day was set aside to recycle all the waste.
- **Student Leadership:** Students took initiative to clean up the grounds on the school campus.
- **Resources:**
  - Global Recycling Day
- **Evaluation:**
  - Teacher input
  - Student participation





Students  
picked up  
trash  
around  
school  
campus  
and  
sorted  
out the  
recycling

Our engineering class and recycling team collecting  
waste on Global Recycling Day



Students  
are  
sorting  
waste to  
be  
recycled





We want to thank NEED, OEP, DP&L, and Vectren, and WSU for giving us the opportunity to educate and serve our community!

**Thank You!**