

Ohio Energy Project

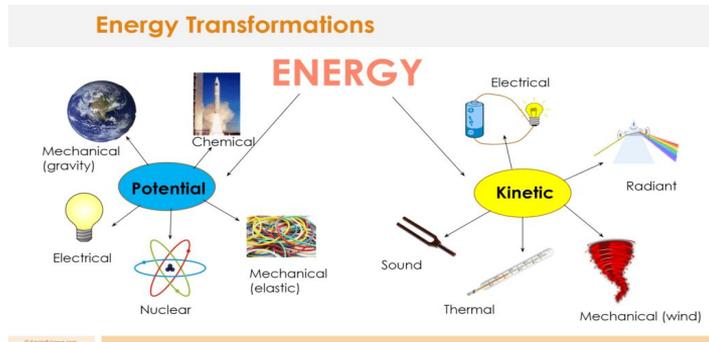


South Gallia Middle School 2018-2019





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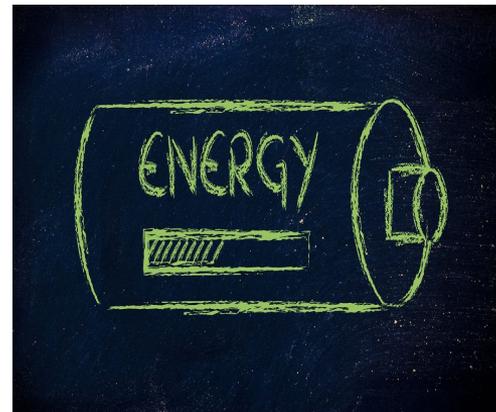
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YOUTH LEADERSHIP SUMMIT



October 2, 2018

Goal: The students learned strategies to teach energy to their fellow students at the school.

Activities: The students worked with other schools and performed science activities together and then taught other groups for practice.

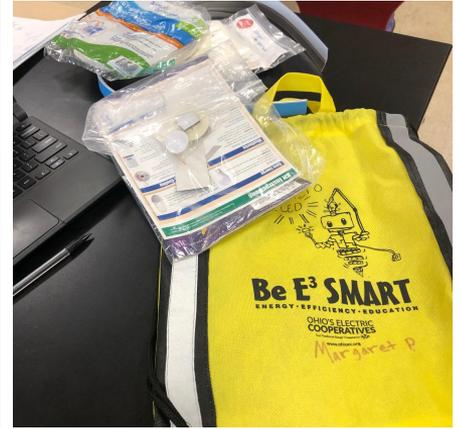
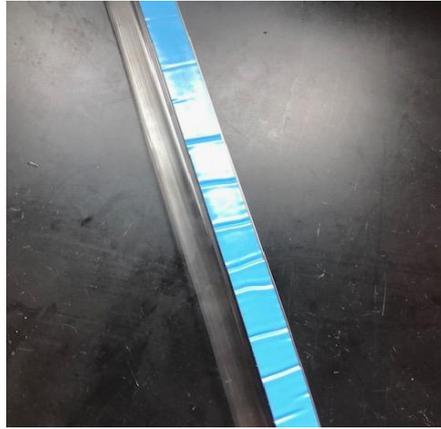
Leadership: Each student attending the summit led an energy station at the school energy fair.

Results: The students learned their energy station and returned to school with the knowledge to lead their station.



Our team worked with state educators and other schools from southeastern Ohio to learn energy stations. These students came back to our school and presented the stations to the sixth grade students at South Gallia. This day was a lot of fun and very helpful to our education.





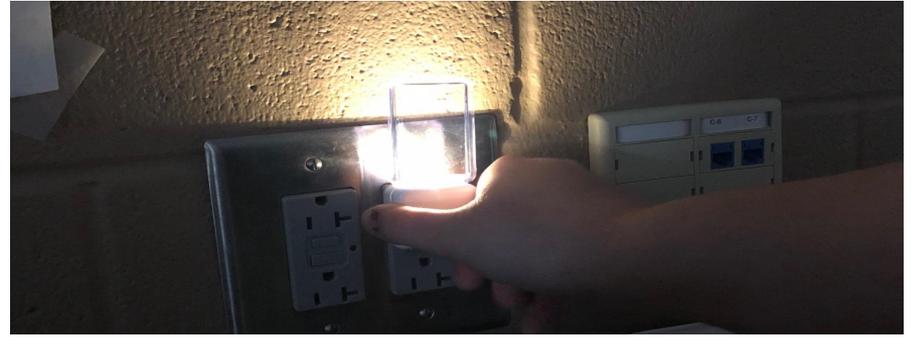
Ohio Energy Experiment Bag

Goal: To provide opportunities for families to conserve energy in their homes.

Activities: The students took home energy saving objects to share with their families.

Leadership: Each student led a family science activity to learn about ways to conserve energy.

Results: The students installed energy saving equipment in their homes with their parents or family.



The Middle school energy team worked to make the classrooms more energy efficient by putting the draft stoppers in the light switches and using the energy saving night light that came in our energy bags. Also, we installed weather stripping and door sweeps.



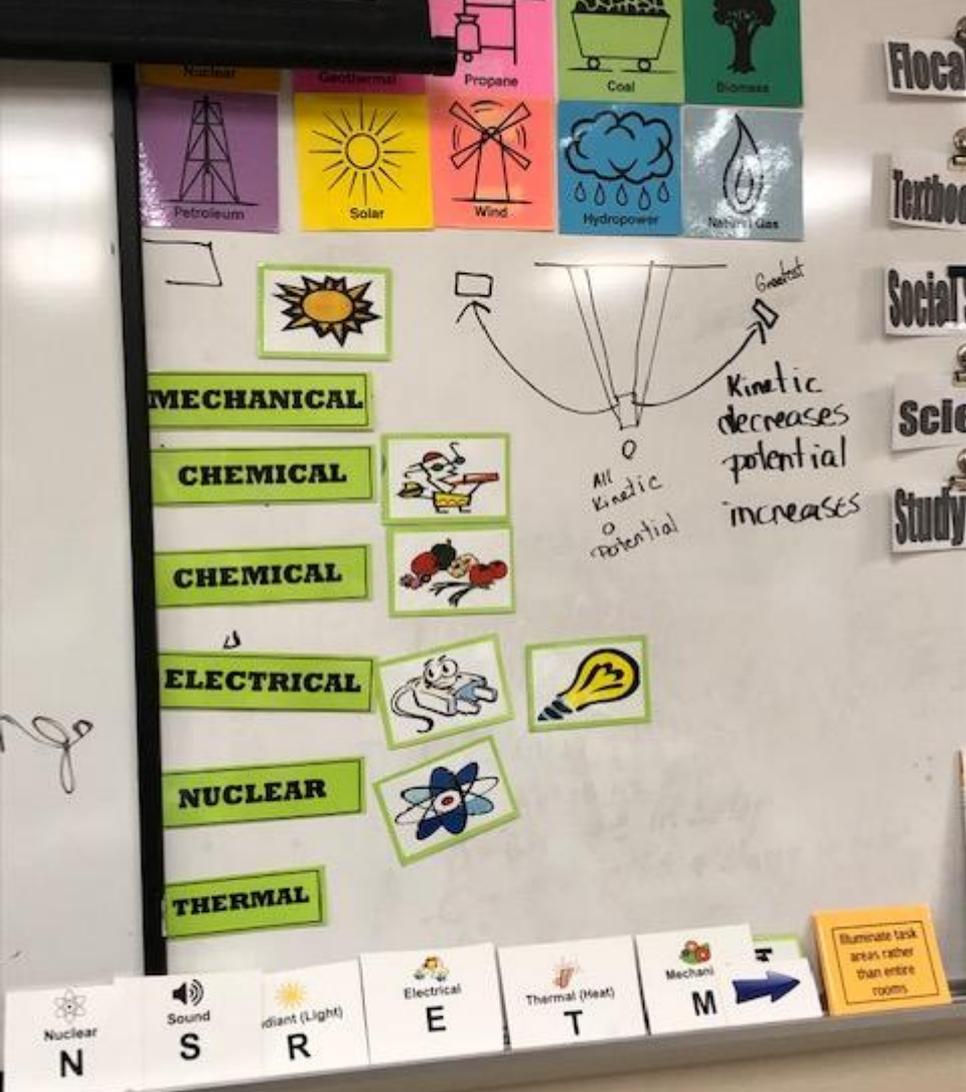
Ohio Energy Project: Energy Efficiency Program January through February

Goal: To provide hands on activities for students to learn about energy efficiency and conservation.

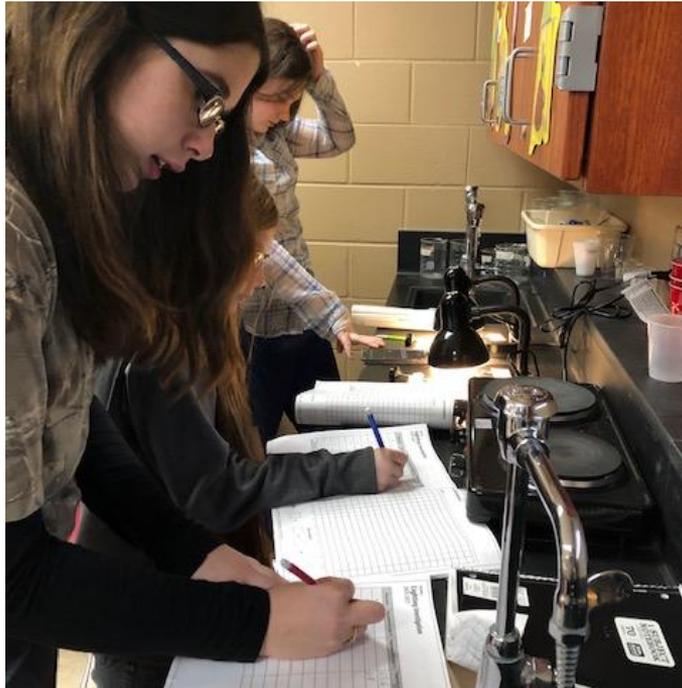
Activities: The students performed hands on experiments and recorded results in their student workbooks.

Leadership: Students lead activities and learned why it is important to conserve energy.

Results: The students completed their energy booklet and the classroom became more energy efficient.



Lighting - We tested 3 types of light bulbs for light vs. heat. We discovered that the IL light bulb produced more heat than light.





Insulation

We tested to see which insulation will keep the water hot the longest. We learned what insulation is and how important it is to conserve energy.

WATER HEATING

Students measured the temperature of water using the water bags and the water gauge to measure if our sinks and showers are energy efficient.

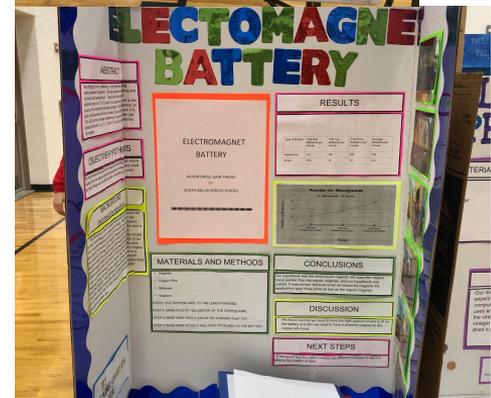
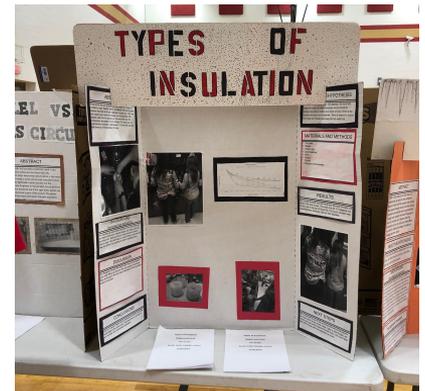
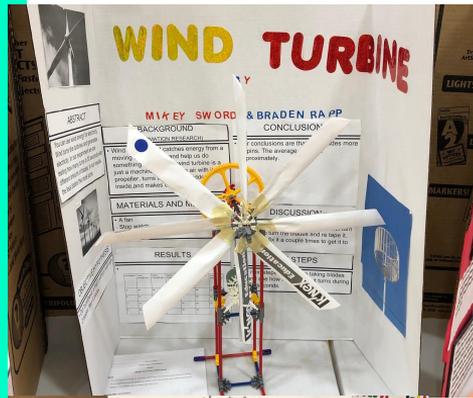


Appliances - We used the watt meters to measure the amount of electricity the appliances use. We talked about how important it is to not over use appliances and to turn them off when not in use.



Pictures from the science fair that was held on February 26, 2019. These projects focused on energy.

The Wind Turbine, Types of Insulation, Electromagnet Battery, and Hydroelectric Generator.



Goal: To promote a deeper understanding of energy and energy sources.

Activities: The students completed science fair projects focusing on energy and energy efficiency.

Leadership: Students conducted their own science experiments with energy as their focus.

Results: The students competed at District Science Day at the University of Rio Grande.

Goal: To provide hands on activities for students to learn about types of energy.

Activities: The students performed hands on experiments at 5 minute stations.

Leadership: Students led activities and shared the knowledge they had gained at the Youth Leadership Summit.

Results: The sixth grade students at South Gallia enjoyed a fun morning of hands on science about energy.

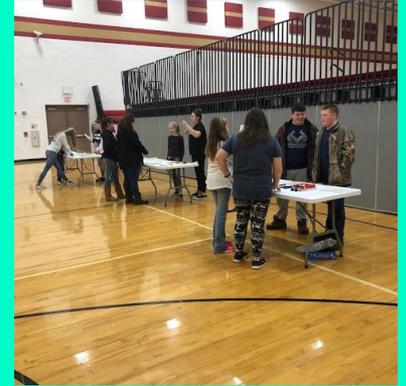


Energy Fair

For the Middle School Energy Fair the 7th graders prepared energy stations. Then, they explained it to groups of sixth graders. The energy fair was on March 15, 2019. Ohio Energy Project provided all the supplies for our energy fair.

THE MIDDLE SCHOOL ENERGY FAIR

The 7th grade teaching the 6th grade about energy took place in the South Gallia auxiliary Gymnasium. The students rotated every 5 minutes to complete 11 energy stations.





Here are all the students who participated in the Energy Fair. Energy fair teachers are standing while Energy fair learners are sitting on the floor. This was a wonderful opportunity for our school.

Thank you Ohio Energy Cooperatives for supplying such a great program for South Gallia Middle School.