



SUTER ENERGY SAVERS

A.K. SUTER ELEMENTARY

“IT’S ALL ABOUT ENERGY!”

We had a great year learning about energy! We used lots of NEED lesson plans and activities in our investigations. We also used a variety of activities to really try to understand all that we could about energy. This year we crossed curriculums and included our Art teacher, Mrs. Farmer, to make solar prints using the sun. We learned a lot in the process. Mrs. Farmer was amazed at all the kids could tell her about energy. We also had our favorite guest, Mrs. Pate, come in and teach us about wind energy and wind turbines. We constantly strive to learn as much as we can about energy so that we can understand our world and hopefully educate others to make it a better place!



GOAL 1: INCREASE STUDENT AWARENESS OF ALTERNATIVE ENERGY SOURCES.

Energy Content Activities:

1. Miss Bradley will teach students about different types of energy sources.
2. Students will participate in hands-on activities using NEED resources.
3. Students will work together in small groups to conduct investigations and participate in activities.

Student Leadership:

1. Students will participate and assist each other in small groups and individual activities.

Resources:

1. NEED Energy of the Sun workbook, NEED Wonders of the Wind workbook, NEED Facebook page, NEED Renewable & Nonrenewable Resources poster, NEED Wonders of Magnets workbook pages, NEED origami, Solar beads, Mining Challenge Activity page

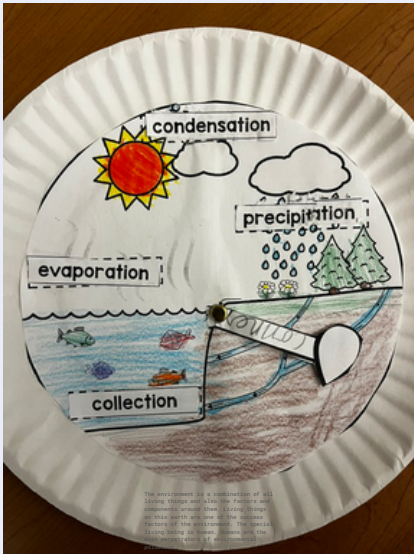
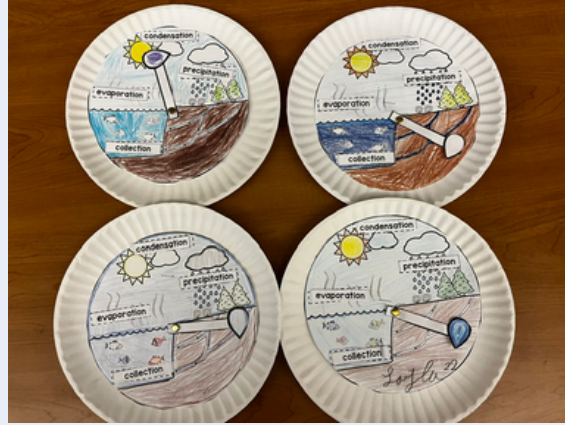
Evaluation:

1. Class discussions, NEED workbook pages, outcome of activities and investigations, NEED evaluations, student cooperation & interest.



Water Cycles!

We learned about how the sun is responsible for the water cycle and made two different representations to demonstrate it.

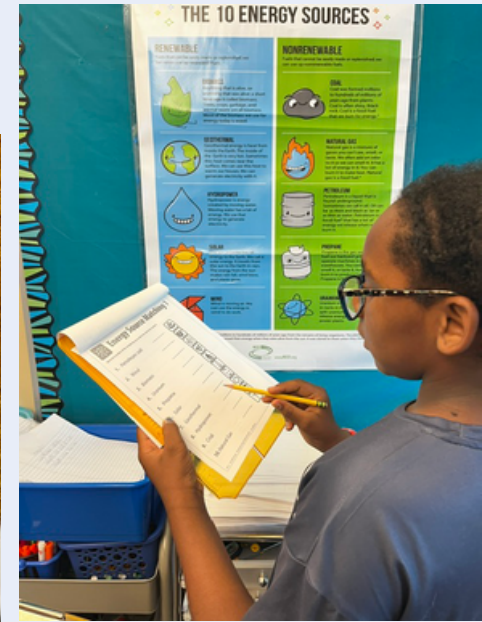


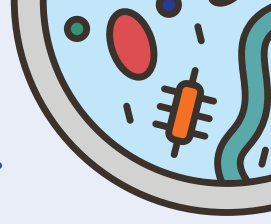
Renewable & Nonrenewable Resources - We did a scavenger hunt matching resources with their symbols and a cut and paste activity for renewable and nonrenewable resources.

Name: *Harper*
Renewable or Non-Renewable Resource?
 Directions: Cut out the boxes on the side. Glue them in the correct column.

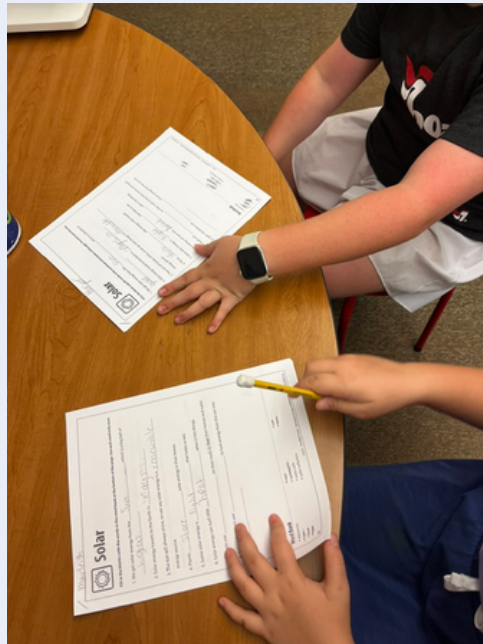
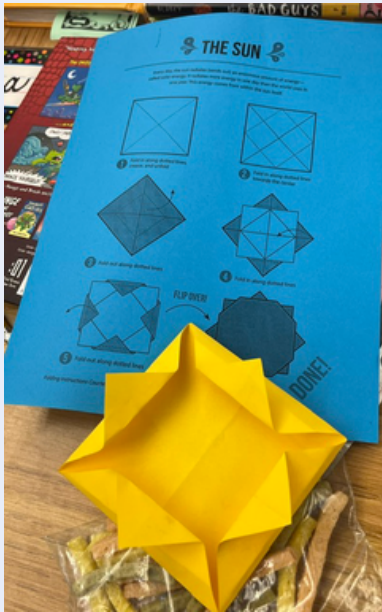
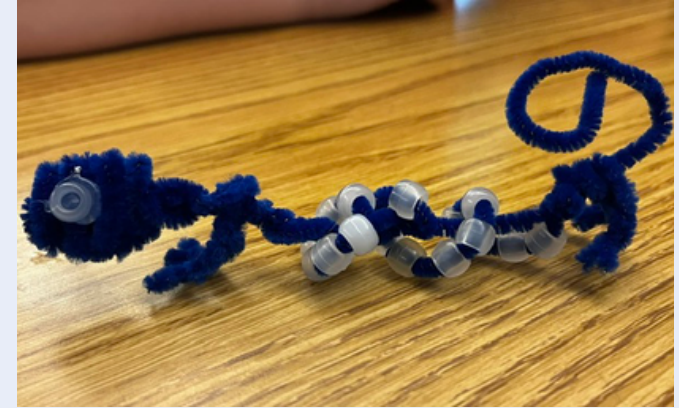
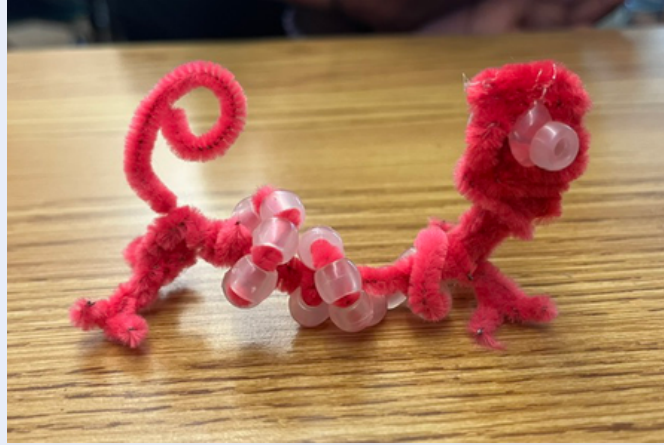
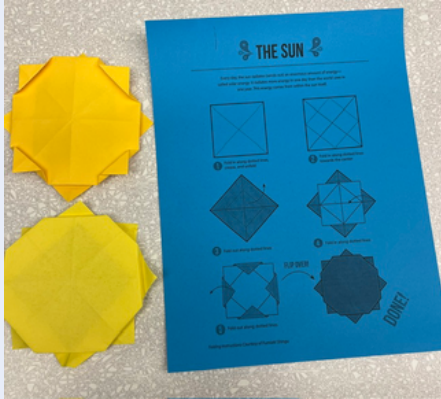
Renewable Resources	Non-Renewable Resources
Can be replaced	Cannot be replaced
water	coal
sunlight	oil
wind	gasoline
wood	mineral

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Solar Energy - We learned lots about Solar Energy. These are our Solar Chameleons & origami.





Solar Ovens!



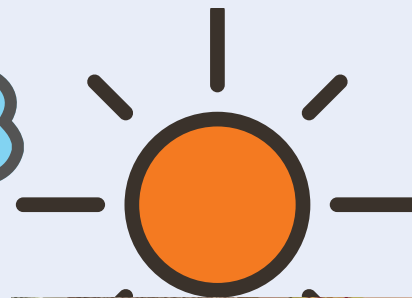
They were yummy!



The Florida heat melted our S'mores fast!



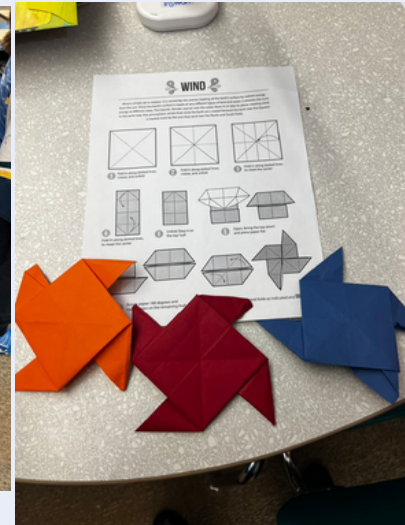
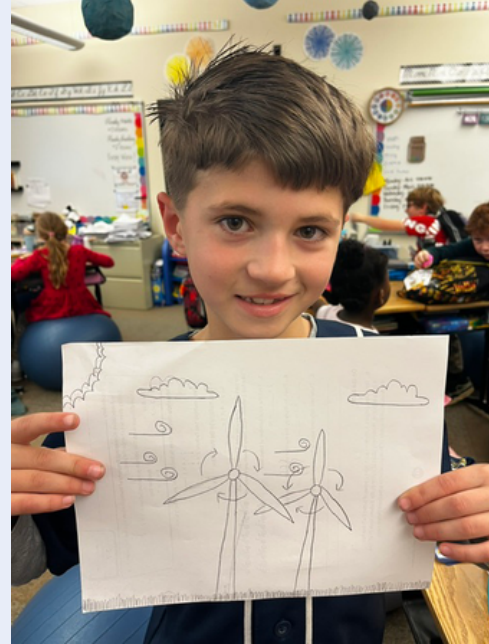
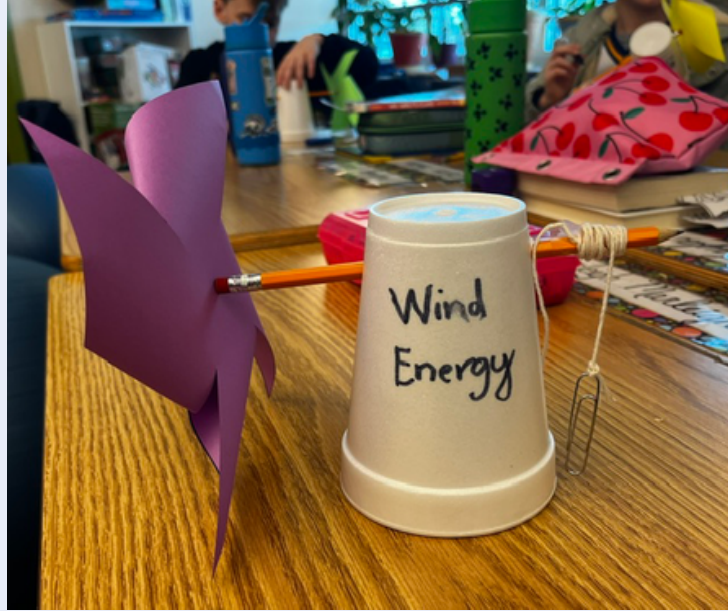
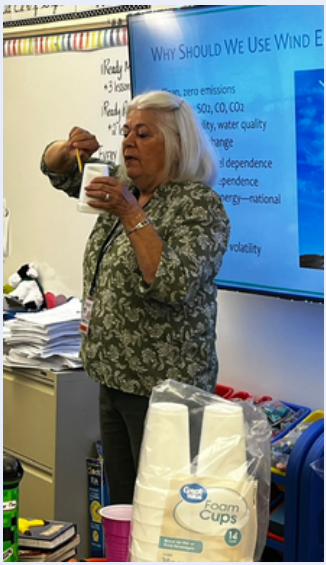
Solar Art with Mrs. Farmer!



Students were able to design their artwork on solar paper and then develop it. It was a long process, but the kids loved it. And we loved introducing someone else to energy!

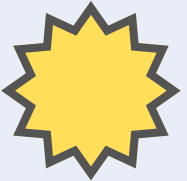


Wind Energy with Mrs. Pate!





MINING CHALLENGE



While learning about renewable and nonrenewable resources, we talked about the impact that mining for coal and drilling for oil has on the Earth.



Our cookies were completely destroyed after we mined out all of the chocolate chips!





GOAL 2: ENERGY EDUCATION, MAGNETS, AND CIRCUITS, OH MY!

Energy Content Activities:

1. Miss Bradley will teach students about magnets and circuits.
2. Students will participate in hands-on activities provided by our district energy educator.
3. Students will work together in small groups to conduct investigations and participate in activities.

Student Leadership:

1. Students will participate and assist each other in small groups and individual activities.

Resources:

1. District Energy Educator, NEED Valentine's Day Side Kicks, Magnets

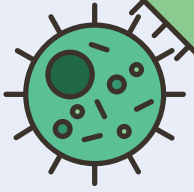
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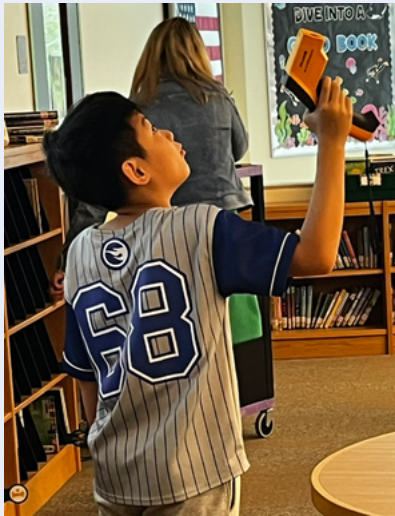








District Energy Educator

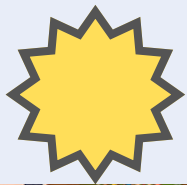


Our District's Energy Educator came to talk with third grade about energy conservation. She even brought some cool energy tools that we got to use!

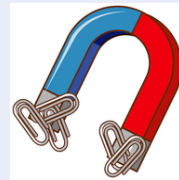
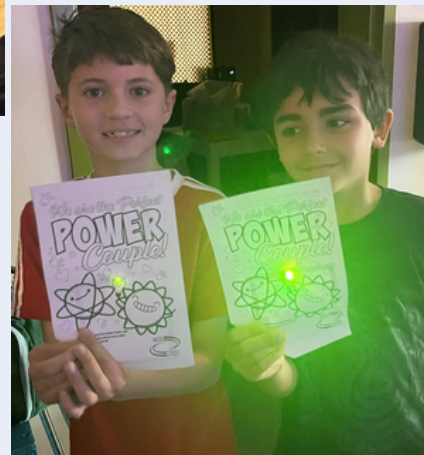
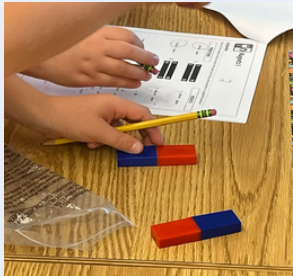
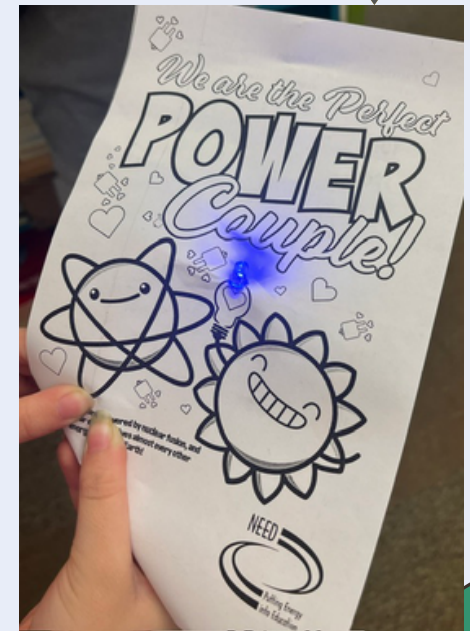
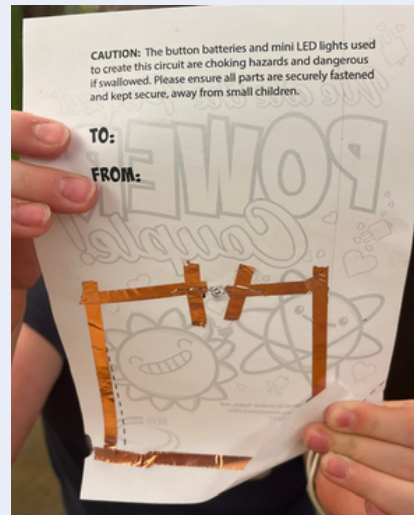
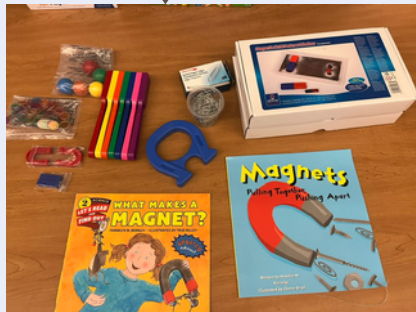
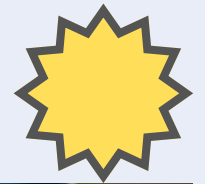



Here are ways you to be an Energy Saving Lorax for your school:

- Keep Doors & Windows Closed when the Heating and Air Conditioning is on. 
- Make sure to turn off lights when the room is empty. 
- Turn off TV's & computers when you are done. 

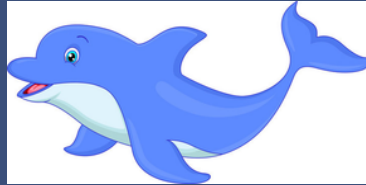
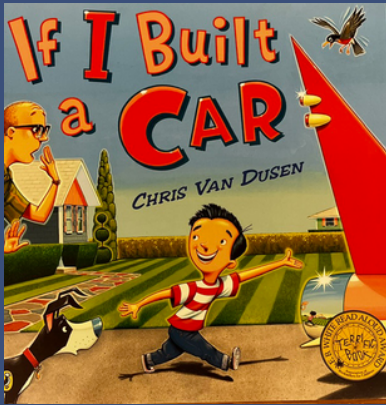


Magnets & Circuits

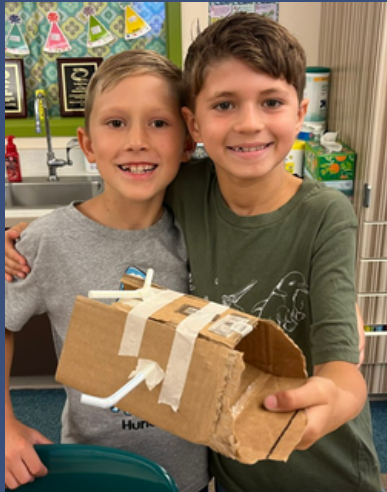


The Sidekicks are one of my favorites every year!

We had fun with this activity that we learned at last year's Youth Awards!



OUR TEAM!



Thank you to NEED for designing fantastic curriculum that keeps kids interested in learning. My goal every year is to get kids excited to learn about energy. This year was no exception. We had a BLAST with all of the NEED materials!