

A. K. SUTER ELEMENTARY

“EVERY LITTLE THING WE DO WILL MAKE A DIFFERENCE”

-KIDS TEACHING KIDS ABOUT ENERGY-

DEBORAH PATE/CINDY BRADLEY



This year our focus was on “Every Little Thing We Do Will Make A Difference”. Once again we had our “Kids Teaching Kids About Energy” and helping others learn about sustainable energy sources. Whether changing one light bulb or recycling a single piece of paper, students have learned the consequences of energy waste and are growing up as a new generation of “Energy Savers”. Our 3rd, 4th, and 5th grade students have traveled around the school presenting skits, songs, and hands on activities to other students. We have invited guest speakers into the classroom and presented energy audits to our parents.. It has been a GREAT year full of hands-on learning, thanks to our friends at N.E.E.D.!

GOAL 1: TO INCREASE STUDENT AWARENESS OF ALTERNATIVE ENERGY SOURCES.

Activities and Tasks

1. Students will learn about different forms of energy using NEED booklets and kits such as Wonders of Wind, School Energy Expert, and Energy from the Sun.
2. Students will make solar houses, solar ovens, UV Beads, wind turbines, insulate boxes, circuits, learn about efficient lighting, use solar balloon, and perform plays.
3. Students will work together in small groups as they conduct experiments and learn about alternate energy
4. Lynn Erickson, Gulf Power Energy Education program manager will teach 3rd, 4th, and 5th grade students about energy conservation.
5. 5th grade students will include 3rd and 4th grade students in a joint effort to learn about energy.

Energy Content and Resources

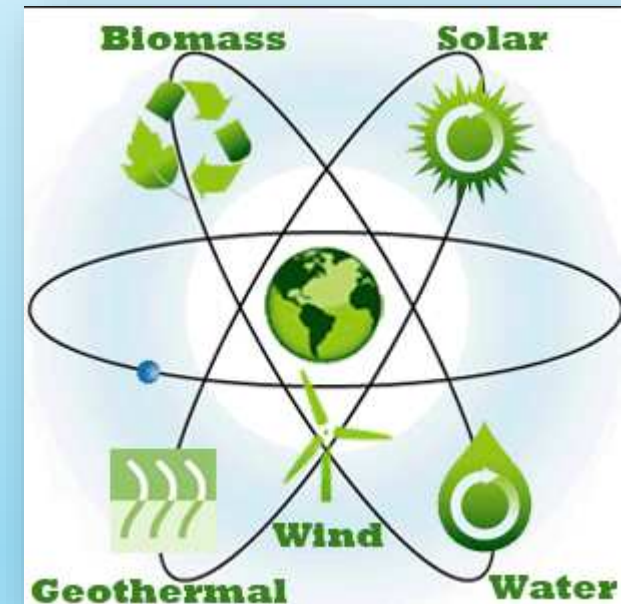
1. NEED books – “Energy from the Sun”, Elementary Energy Info-book”, numerous Energy Kits purchased by Gulf Power
2. Lynn Erickson from Gulf Power
3. Activities learned at 2017-18 Youth Awards Conference (Candy Collector)

Student Leadership

1. 5th grade “energy savers” will plan, organize, and assist younger students in small group activities.
2. Students will share NEED materials and energy information with other classes.

Evaluation

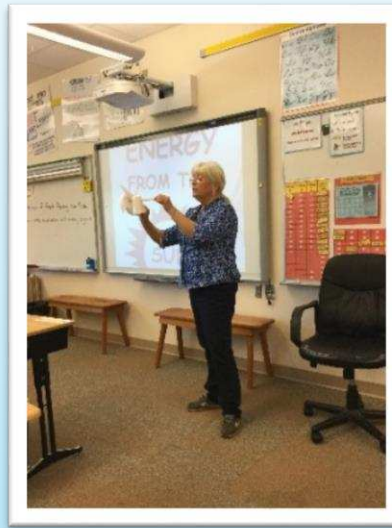
1. Elementary Energy Poll
2. Class discussions – questions and answer time.
3. Teacher evaluation of small group activities and student interest in activities.



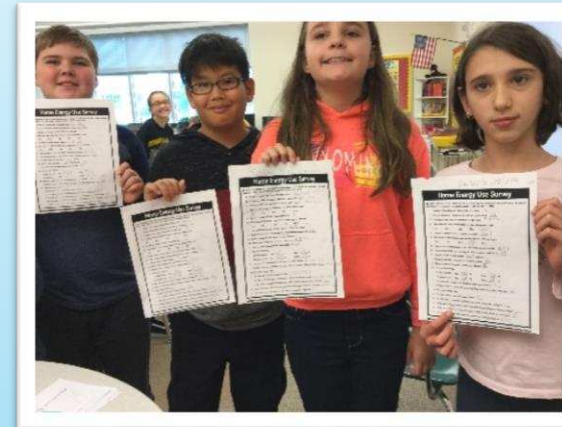
GOAL 1: TO INCREASE STUDENT AWARENESS OF ALTERNATE ENERGY SOURCES.



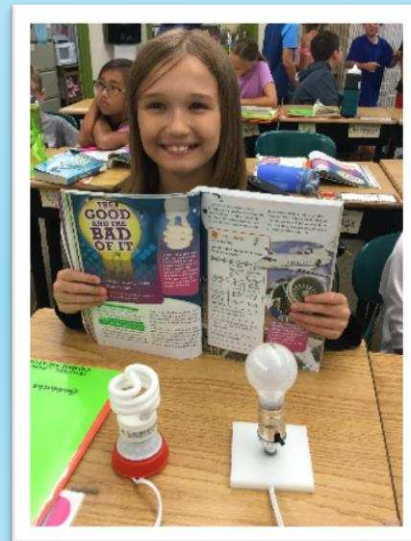
Students began the new school year by learning about ENERGY



Our friend, Lynn Erickson, Gulf Power Energy Education program manager, visited our classroom and taught us about saving ENERGY.



We did "Home Energy Audits"



Fourth Grade students learn about energy saving light bulbs and test the amount of heat produced by each.



Gulf Power bought us five new NEED energy kits because they knew we loved learning about ENERGY!

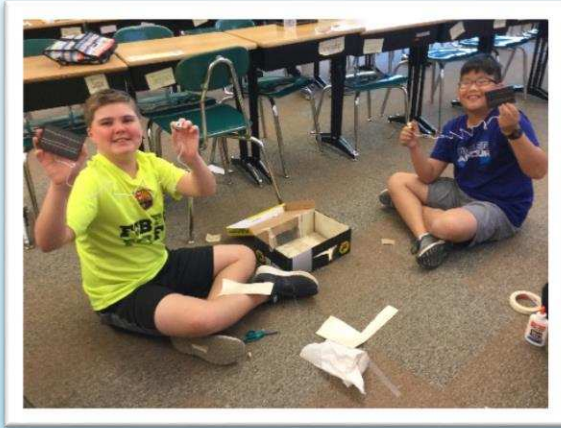


Thanks Gulf Power!

GOAL 1: TO INCREASE STUDENT AWARENESS OF ALTERNATE ENERGY SOURCES



4th Grade students learn about Wind Energy by making Wind Turbines.



5th Grade students make Solar Houses. Unfortunately, it was a cold rainy day in Florida so students used light from an incandescent bulb to simulate the Sun.

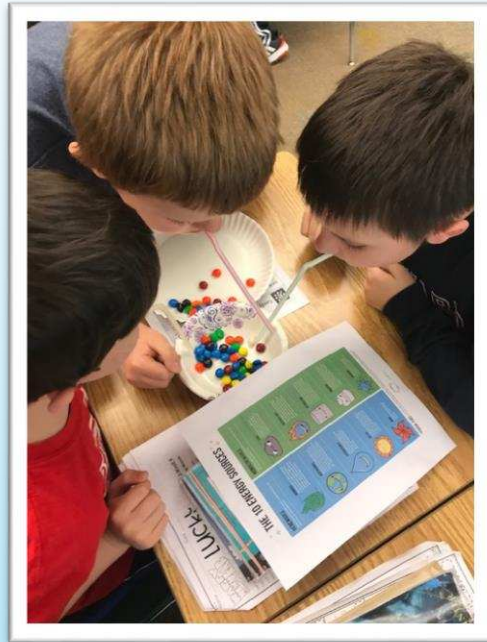
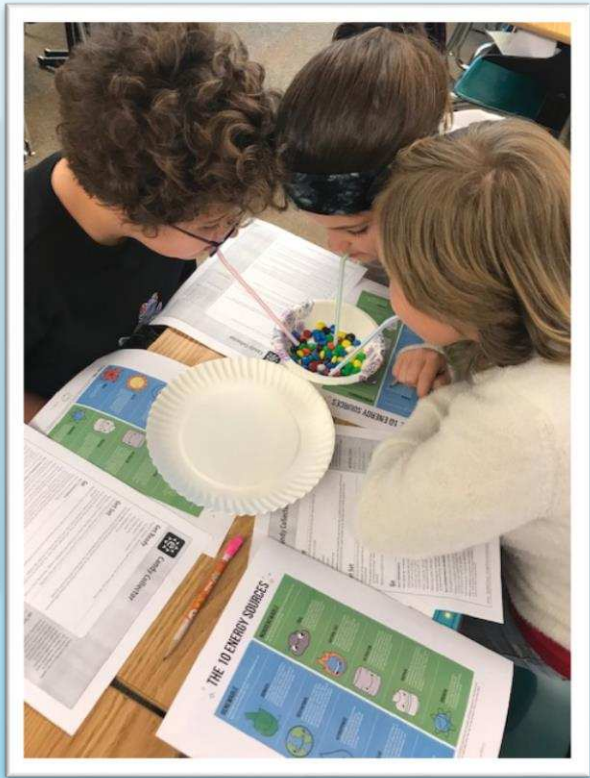


Students learned about Conserving Energy by insulating a school milk carton with various materials. Ice cubes were placed in the carton and students had a competition to see which insulated carton was the most efficient.

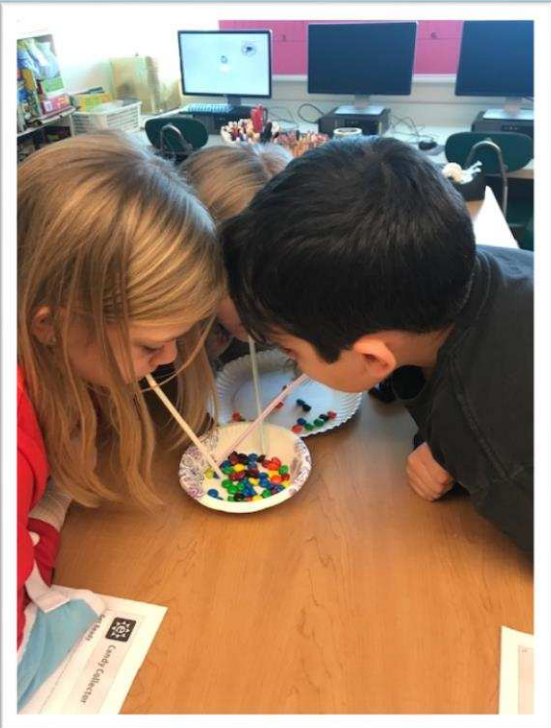
GOAL 1: TO INCREASE STUDENTS AWARENESS OF ALTERNATIVE ENERGY SOURCES



We started off learning about forms of Energy. Then, we moved on to renewable and nonrenewable sources. We read several stories from NEED's Energy on Stage booklet.



After learning about renewable and nonrenewable sources, we did a NEED activity called "Candy Collector". This was our favorite activity of the year! By the end of the activity, our students really understood how we need to look into renewable energy sources!



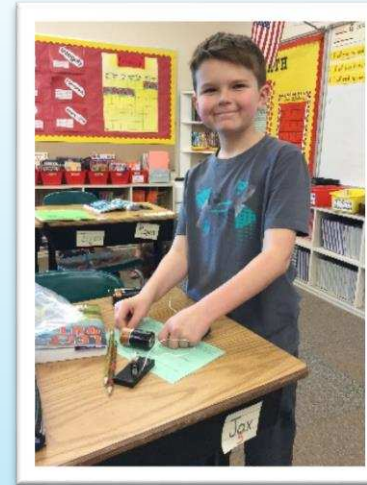
GOAL 1: TO INCREASE STUDENTS AWARENESS OF ALTERNATIVE ENERGY SOURCES



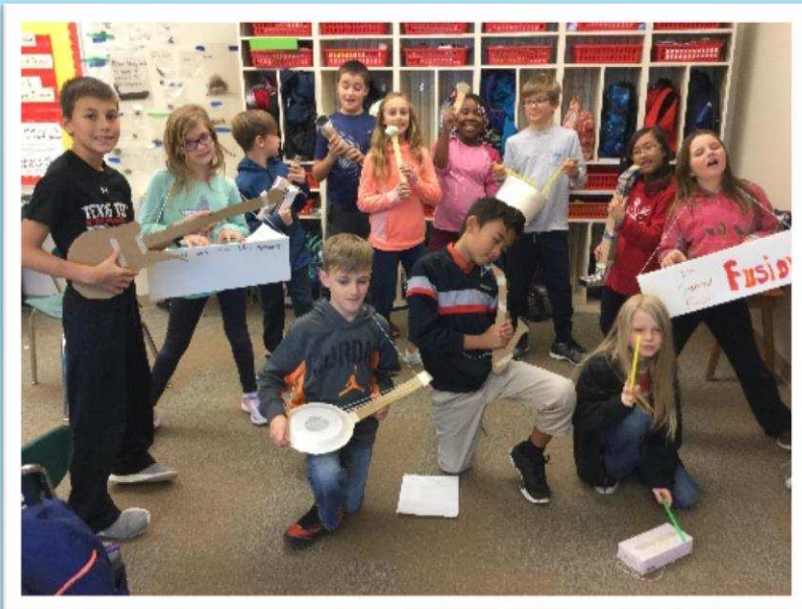
Students had so much fun making their instruments and performing the “Energy Rock Bands” from the NEED materials.



VIDEO: To see our Rock Band perform, touch the picture and click on the arrow.



Students worked with wires, switches, lights, and buzzers to create working circuits.



5th Grade students put together a Wind Turbine kit given to us by Gulf Power.



We donated “The Lorax” to a Kindergarten classroom. And gifted them with solar bracelets. 😊



GOAL 2: “KIDS TEACHING KIDS” ABOUT ENERGY – *(EVERY LITTLE THING COUNTS)*. THIRD, FOURTH, AND FIFTH GRADE STUDENTS WILL WORK TOGETHER TO SHARE ALTERNATIVE ENERGY SOURCES WITH OTHER STUDENTS.

Activities and Tasks

1. 3rd, 4th, and 5th grade students will take their knowledge of “Energy” and teach it to students throughout the school.
2. Students will use the rolling “NEED Energy Cart” to travel and teach lessons about energy.
3. Lessons taught to other classes will be student driven. Classroom teacher will observe only.

Energy Content and Resources

1. “Energy from the Sun” NEED Resource Kits, Energy from the Wind, Energy Games and Icebreakers.
2. Students will use various NEED materials and energy cart to teach others about energy.
3. NEED website for teacher resource
4. NEED – “Harry Potter and the Chamber of Windy Myths” & “A Star War”

Student Leadership

1. 3rd, 4th, and 5th grade students will be responsible for teaching lessons on energy.
2. Students will be role models and introduce energy activities in lower grades.
3. Students will give energy messages on the school closed circuit television.

Evaluation

1. Students will be assessed during presentations to other students.
2. Elementary Energy Poll assessment to show knowledge gained.
3. Teachers will collaborate to determine success of energy activities.



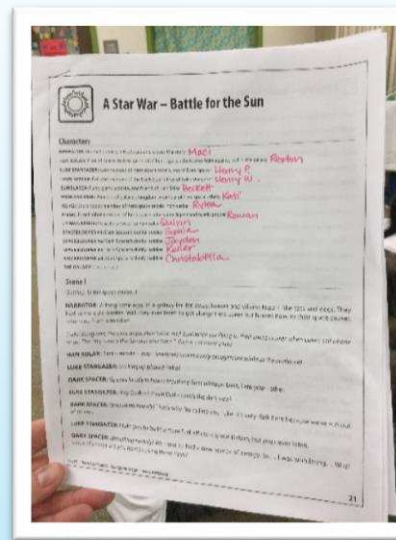
GOAL 2: KIDS TEACHING KIDS ABOUT ENERGY



4th Grade students teach third graders about wind energy.



Energy Students travel to many classrooms throughout the school performing energy plays such as NEED's "The Tale of Windy Wizard" and "Harry Spotter and the Chamber of Windy Myths".



Ms. Bradley's Third grade students performed a fun NEED play: A Star War! The students LOVED this!



5th Grade students are performing for another 5th grade science class.



VIDEOS: To see our "Star War" in action, touch the pictures and click on the arrows.



GOAL 2: KIDS TEACHING KIDS ABOUT ENERGY



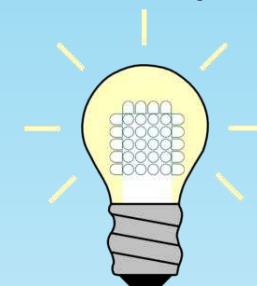
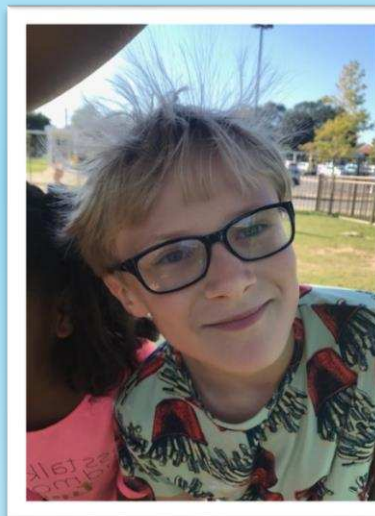
5th Grade students visit a fourth grade class to teach them about wind ENERGY.



We also worked and played with static electricity!

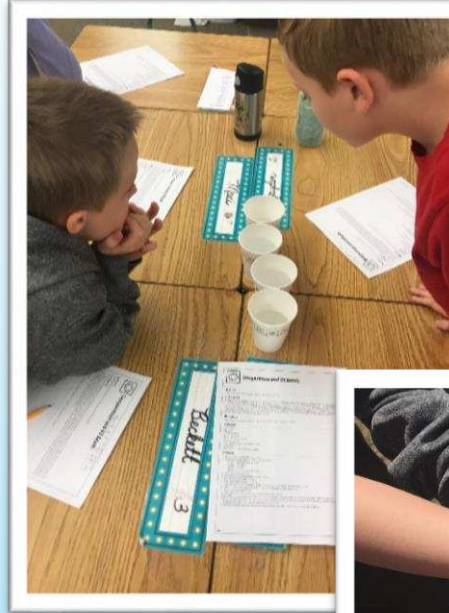
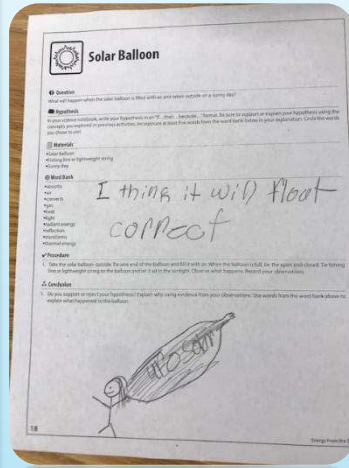


Energy students teach parents and students about energy efficient lighting during our school barbeque dinner. We talked to most of our school that night! That's almost 400 people!!



GOAL 2: KIDS TEACHING KIDS ABOUT ENERGY

Click for our video! →



We enjoyed experimenting with our UV beads and going outside to watch them change color. We even shared them with younger students.



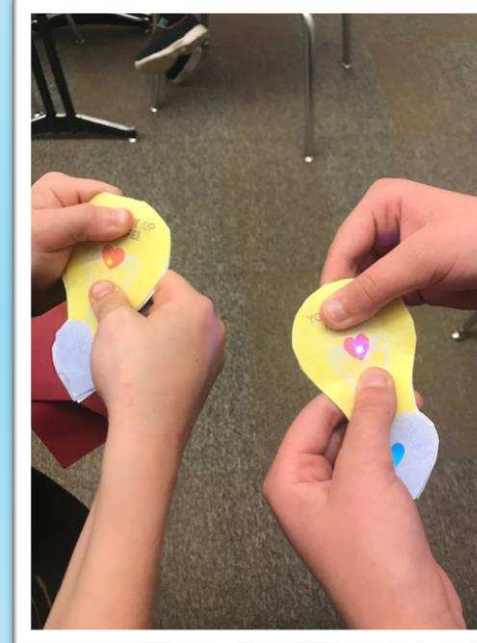
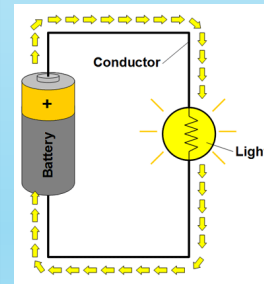
This year we got out our solar balloon to learn about hot air and cold air. We also learned how heat rises!



GOAL 2: KIDS TEACHING KIDS ABOUT ENERGY



We made solar ovens! First, we made our own out of pizza boxes. Then, we used a NEED Solar Oven to make chocolate chip cookies with our 2nd grade neighbors!



Circuits, circuits, circuits!
We made bookmarks that light up with coin batteries, copper tape, and LED lights and shared them with Mrs. Pate's science class! This was super cool!

GOAL 3: TO INCREASE COMMUNITY AWARENESS OF ENERGY CONSERVATION

Activities and Tasks

1. Students will make energy bookmarks for the public library.
2. Students will put energy messages on Publix grocery bags.
3. Students will provide an ENERGY booth during our school wide dinner.
4. Students will make “Solar Bracelets” and place them at Starbucks.
5. Collect pop-tops to donate to Ronald McDonald House.

Energy Content and Resources

1. www.NEED.org
2. NEED Energy Info-books and Science of Energy
3. Various NEED energy booklets.

Student Leadership

1. 3rd, 4th, 5th grade energy students will lead all group activities.
2. 3rd, 4th, 5th grade students will lead energy announcements on WAKS News.

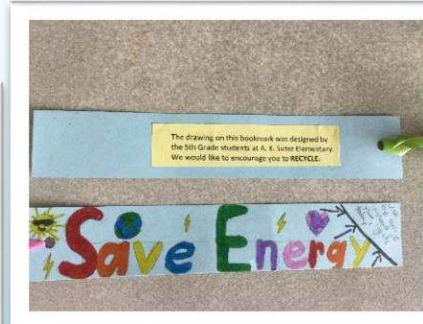
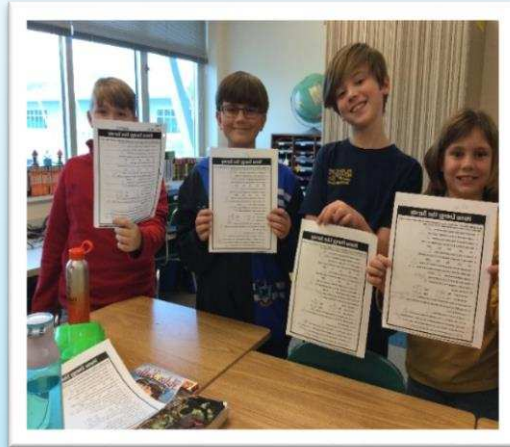
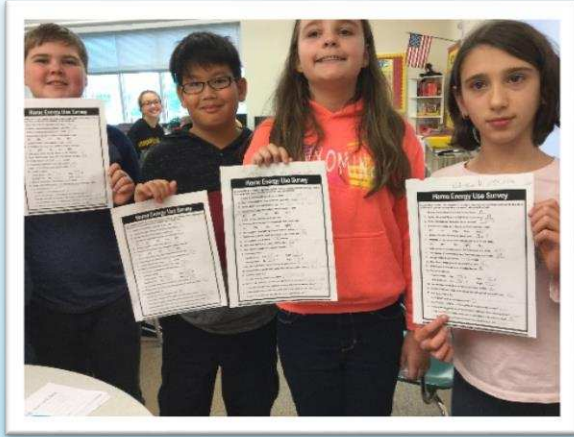
Evaluation

1. Student participation and outcome of student work.
2. Teacher evaluation as students work together in pairs or groups.



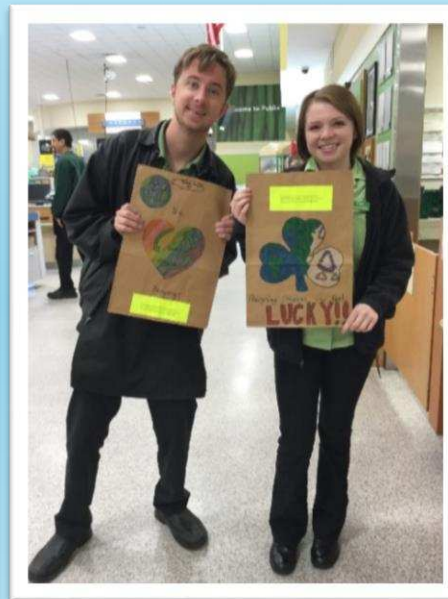
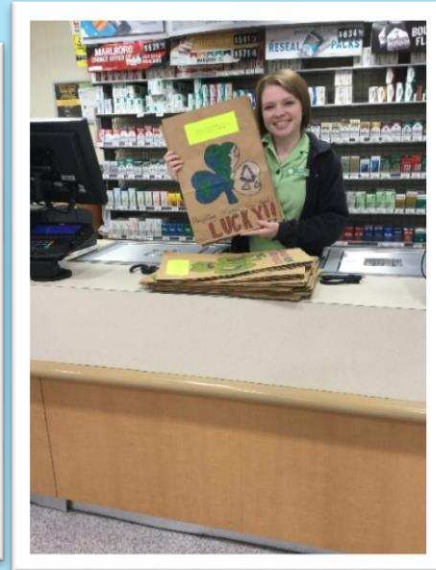
Can Tops our whole school collected for the Ronald McDonald House to help pay their utility bills.

GOAL 3: TO INCREASE COMMUNITY AWARENESS OF ENERGY CONSERVATION



We took "Home Energy Audits" to show our parents what we had learned about energy conservation. We also put ENERGY messages on Publix grocery bags. They were so cute!

Toward the end of the school year, we made "Energy" bookmarks for the public library. The librarian asked us to make more!



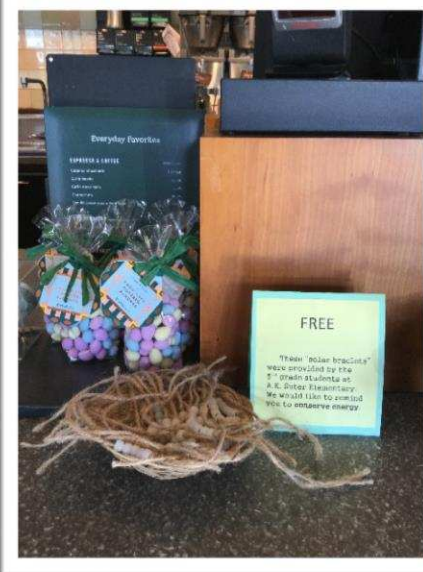
GOAL 3: TO INCREASE COMMUNITY AWARENESS OF ENERGY CONSERVATION



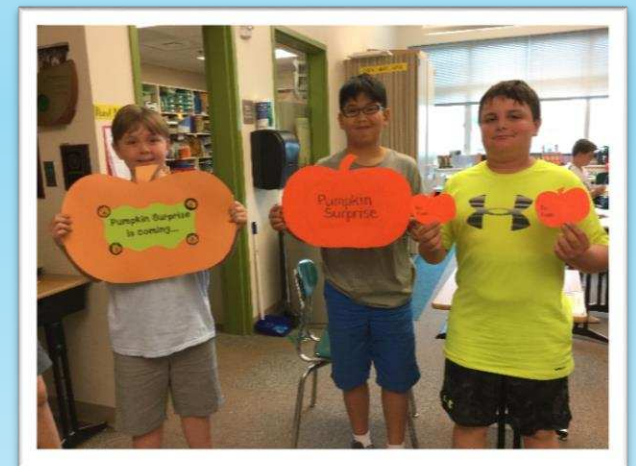
Students had an “Energy” booth at the school barbeque dinner to teach parents about energy efficient light bulbs.



Students and parents helped us with our “Energy” fundraiser. We sold over 4,000 Pumpkins and 3,200 Valentine hearts and earned over 1,700.00 towards our DC trip!



Students made Solar bracelets to spread the word at Starbucks. And we made bracelets to share with our school friends!



KIDS TEACHING KIDS

“EVERY LITTLE THING WE DO WILL MAKE A DIFFERENCE”

VIDEO: Click on the picture to hear our Energy message!

