

One, Two, Three Save Energy with Me!

A 4th, 5th, and 6th grade project at High Point Academy SFW Fort Worth TX

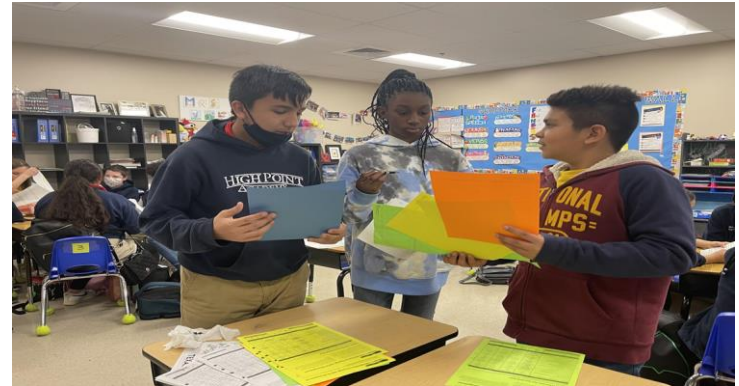
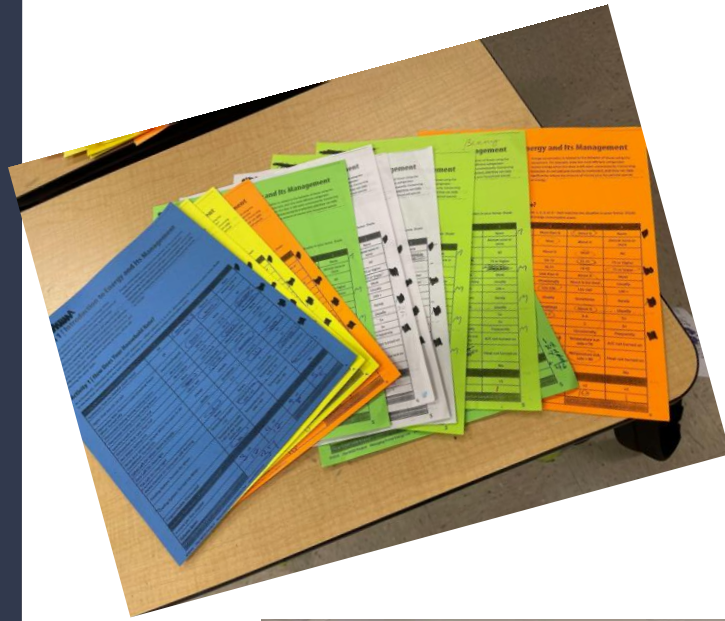
Advisors: Shelly Vierkant and Terry McBeth

This year our leadership club made up of 4th, 5th and 6th graders decided that learning about the different types of energy and ways that everyone can save was important for our whole school to know about. We started by looking at the NEED.org resources and came up with a plan.

First, leadership club sent an energy survey to each student for their families to fill out. Based on the information on the surveys the next step we decided to take was creating an energy saving tip sheet as well as an energy challenge board to send home with each student in the school. We even had energy saving light bulbs donated so the whole school got one as well. Last but not least we wanted a fun way for our fellow students to learn about energy so we created a bulletin board in a place we knew all the classes would pass by each day, then we used the energy plays from Need.Org to create videos to show at STEAM night and to classrooms. Finally at STEAM night we made fun colorful wind turbines with all who came to visit our table.

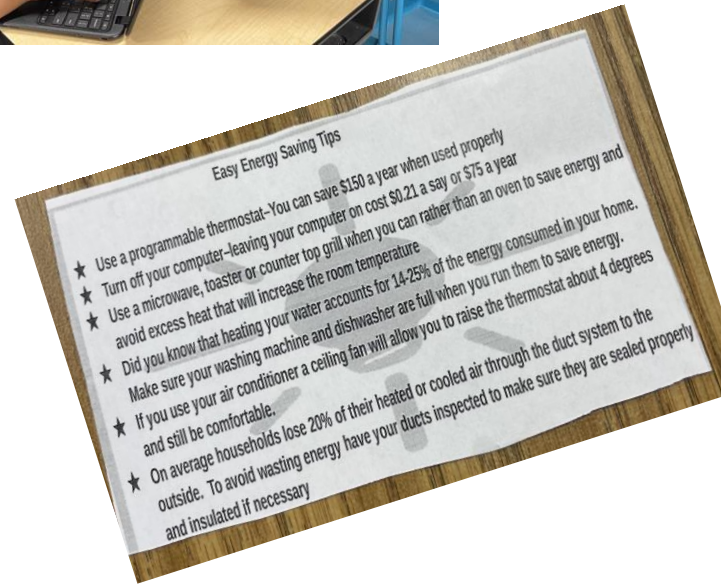
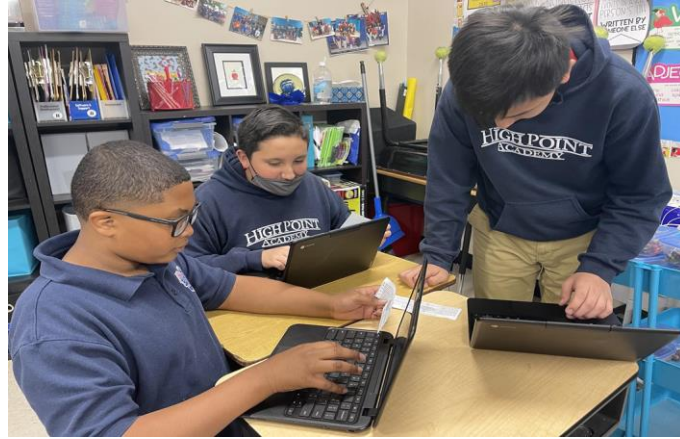
# GOAL #1 Find out how much our school families knew about saving energy.

Our first group was responsible for finding a survey for parents to take at home to see how energy efficient they were. After coming up with what they wanted to find out and how to measure the answers students decided to use the How does your household rate lesson from Need.org. Surevery were passed out to everyone at school. When they came back our group found out most families fell in the 40-50 range.



# Goal #2 Easy Energy Saving Tips

Now that we had the data from the survey the second group got to work on researching and creating a tip sheet to help everyone save energy. We came up with 6 easy facts/tips that would help our school families save energy. Since we were helping our school families we thought why not share them with the apartment complexes that are near our school. One of our 6th grade teachers even agreed to take it to her apartment complex as well. With our energy tip sheet we reached our 300+ families at school and 3 100+ unit apartment complexes in our community.



- ★ Use a programmable thermostat-You can save \$150 a year when used properly
- ★ Turn off your computer-leaving your computer on cost \$0.21 a day or \$75 a year
- ★ Use a microwave, toaster or counter top grill when you can rather than an oven to save energy and avoid excess heat that will increase the room temperature
- ★ Did you know that heating your water accounts for 14-25% of the energy consumed in your home. Make sure your washing machine and dishwasher are full when you run them to save energy.
- ★ If you use your air conditioner a ceiling fan will allow you to raise the thermostat about 4 degrees and still be comfortable.
- ★ On average households lose 20% of their heated or cooled air through the duct system to the outside. To avoid wasting energy have your ducts inspected to make sure they are sealed properly and insulated if necessary

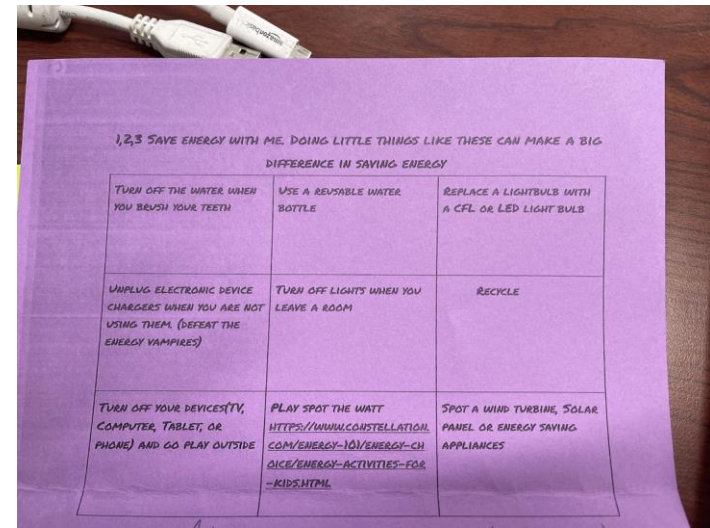


# Dropping off the Energy saving tips at one of the apartment complexes



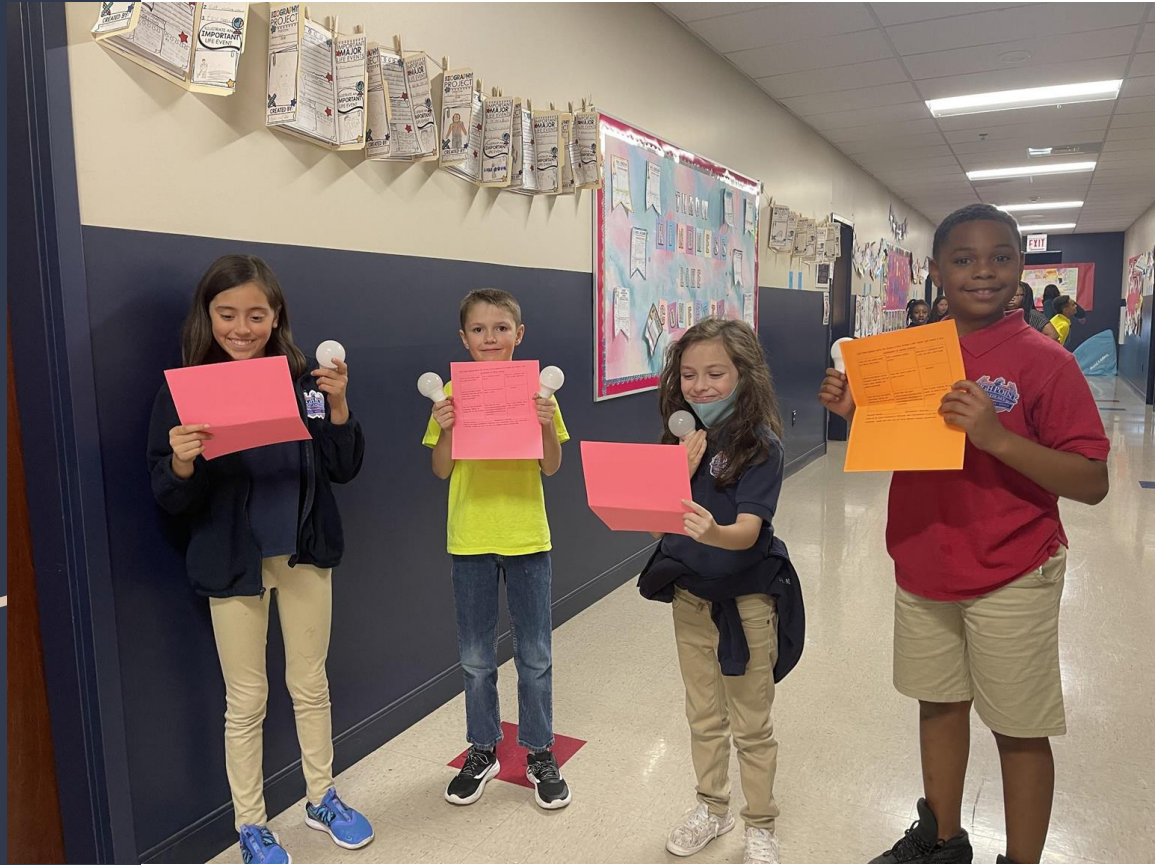
# Goal #3 Energy Challenge

Our school like to give reading challenges over breaks like winter break, spring break and the summer. The leadership club figured if they can do a reading challenge over spring break why not create an energy challenge for spring break. We came up with 9 easy thing kids could do at home to help their adults save energy. We created a bingo card to give to every student. But we didn't just want to give them a bingo card we really wanted to help them out by giving them an energy saving light bulb. Our advisors set up a Donors Choose project for us and friends, family and people we don't even know donated to the project. We were able to get a energy saving light bulb for each student at our school and had some left over for the teachers too.



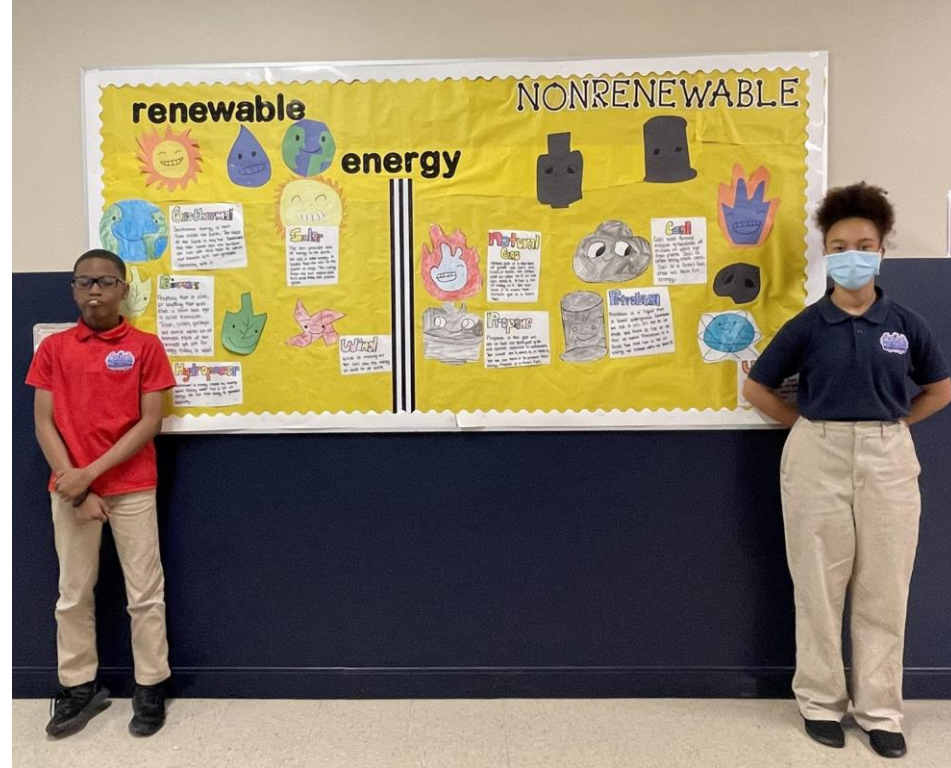


Each student received their Energy challenge bag with a light bulb, challenge sheet, and energy tip sheet.



# Goal #4 Create an Energy Bulletin Board

It was almost open house time and time when many science classes talk about renewable and nonrenewable energy. Leadership club came up with a simple way to help students remember which one was which. We decided to make a bulletin board, leadership club has one they are responsible for at school so we made it into an energy bulletin board. We took the cute characters from NEED org and drew them ourselves and put the description of each energy source.



# Goal #5: Putting the Arts in STEAM Night

We wanted to add an arts station to our school's STEAM night. Using our NEED.org resources we found plays that help explain different energy resources. Why stop at just helping our campus understand energy resources??? So we'll film our plays and used our sponsors teacher youtube channel to share with our districts other two campuses. We hope that these plays will be helpful to teachers and a fun way for students to learn about energy. We hope that we make our theater teacher proud.





# Energy Play rehearsals



# Goal #6 Energy Station at STEAM night

We couldn't let our school's STEAM Night go without having our own station for students and parents to stop at. We wanted to have something fun and hands on for students to do so we decided that we would have them build wind turbines. Our colorful pinwheels will spin in green space on campus in the Texas winds.



We met all of our goals and our project was a huge success!!!

We became leaders of our campus and leaders on energy. We had a great time along the way.

