



Ockerman M.S. Energy Club



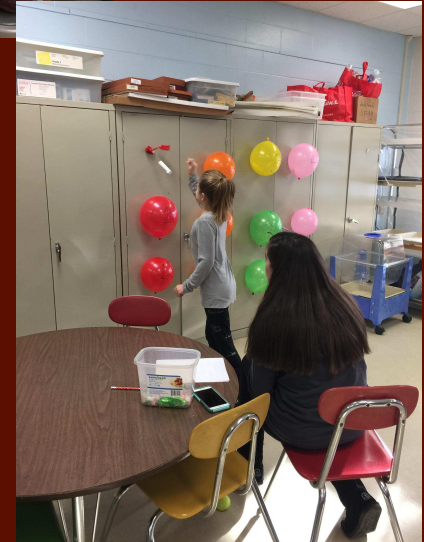
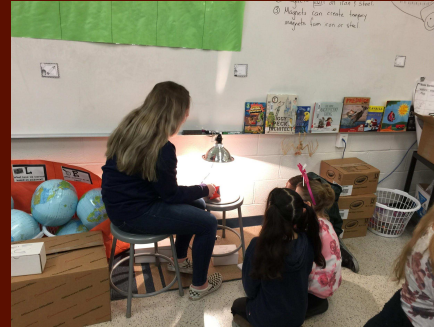
Let's
Talk
Energy



OMS Energy Club

Club Sponsor: Mrs. Jennifer Davis
Student Leaders: Molly Weaver & Audrey Randolph

During this school year we have been busy. In our Energy Club we learned a lot about energy. We did several NEED activities. The team had a booth at the Club Showcase and at Evening with the Arts. Outside of school we went on field trip to the Duke Energy Solar Farm. We visited 3 Boone County elementary schools to teach the 4th graders the Science of Energy stations. Another activity we did was an Energy Carnival for Kelly Elementary Student Energy Team. Members of the team also got to speak in front of the Florence City Council to tell them about our Club.



Goals

1. Learn more about energy ourselves
2. Teach kids about energy
3. Teach our community about energy.

Activities

- Kelly Elementary to teach 4th graders
- Play energy related games with Kellys energy team
- Club showcase
- Evening with the arts
- Clty council meeting
- Yealey Elementary to teach 4th graders
- Ockerman E. S. to teach 4th graders
- Solar Farm (& Natural Gas) Power Plant visit



Goal 1: Learn more about energy ourselves

NEED Activities: Science of Energy, Energy Jeopardy, Getting the Oil Out

- We started the year learning the Science of Energy stations so that we could go to elementary schools to teach the kids about energy
- We also played Energy Jeopardy at an Energy Club meeting
- We even did an experiment showing us the obstacles of collecting oil. We used straws and different liquids to demonstrate the different thicknesses of oil.



Goal 1: Learn more about energy ourselves

Duke Energy Walton Solar Farm

Solar photovoltaic power plant

At the end of March, we visited Duke Energy's solar farms in Walton, Kentucky. We learned about how clean the energy is, the safety, and easy maintenance.

Fun Facts about the Solar Farm:

- It is a 4 MegaWatt plant that can power up to 800 homes
- It has Arrays of 38 solar panels with 72 solar cells per panel
- There are over 17, 000 panel total
- Some electricity is generated at night when the moon is bright

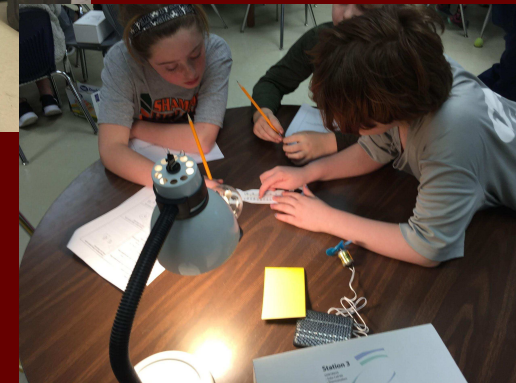
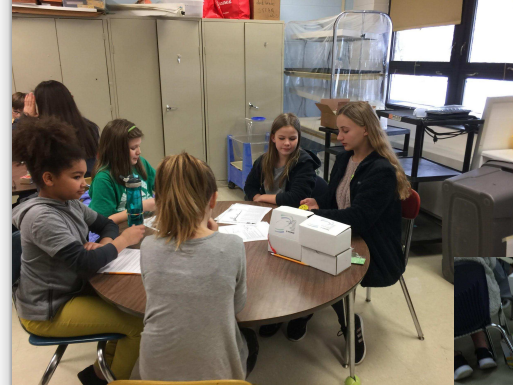
We are planning to tour the Tanner Creek Natural Gas power plant in Lawrenceburg, IN in May.



Goal 2: Teach kids about energy

NEED Activities: Science of Energy, Energy Carnival

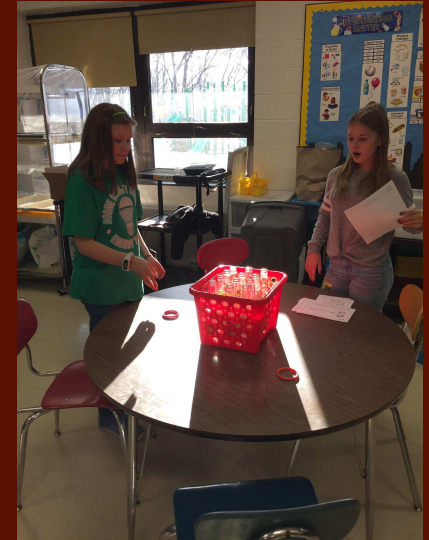
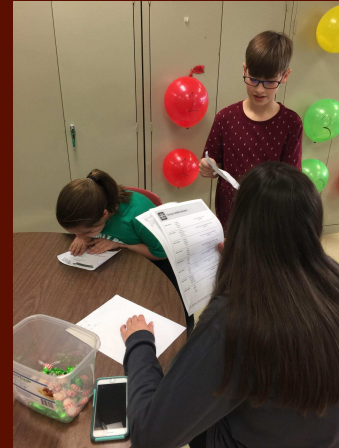
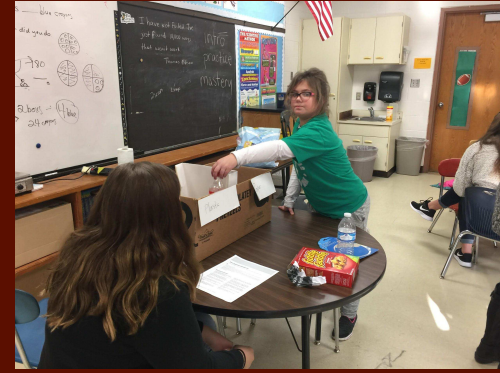
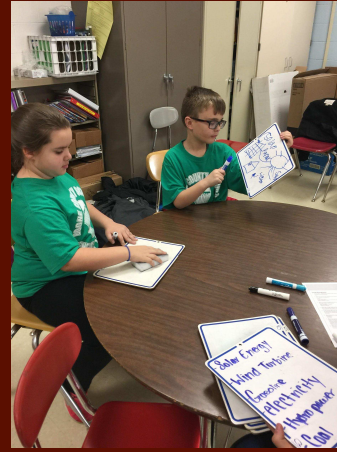
Our team taught kids from elementary schools using 6 main Science of Energy stations. Each station has a different focus on energy. Our 6-8 graders each taught about one station. We used interesting objects for the kids such as bouncy balls and yo-yos. When done the elementary students knew more about motors, potential energy, kinetic energy, ect. We went to the 4 grade STEM Lab classes at Ockerman Elementary and Yealey Elementary and the 4th grade classes at Kelly Elementary



Goal 2: Teach kids about energy

NEED Activities: Science of Energy, Energy Carnival

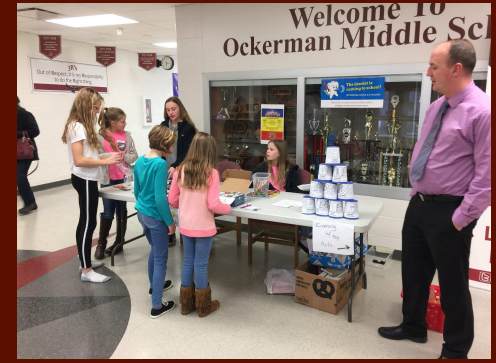
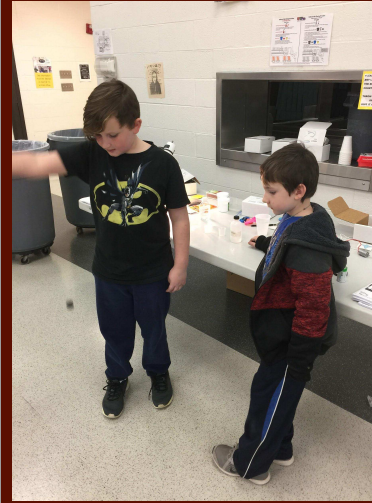
We also held an Energy Carnival for the Kelly Elementary Energy Team. They went to stations to play different games and had to answer energy questions to get prizes.



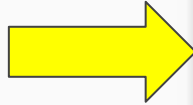
3. Teach our community about energy.

NEED Activities: Science of Energy, Energy Carnival

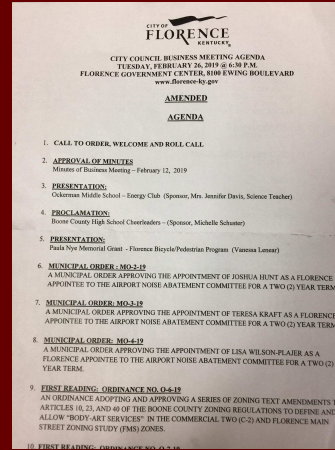
To teach our community about energy we took part in the Club Showcase and Evening with the Arts at school. The Club Showcase was in the fall. Families came to learn about all the school's clubs. We showed them the Science of Energy Stations. The Evening with the Arts is a night for families to watch some of the arts the school offers: jazz band, play, speech and drama, etc We set up a booth at the entrance. We showed families the Science of Energy Stations and a couple Energy Carnival games. We also raffled off a Duke Energy Home Efficiency kit.



3. Teach our community about energy.



Our Energy Team was invited to speak at the Florence City Council meeting to tell the community about what we do in Energy Club. We explained about going to the elementary school to teach the 4th graders and about the Science of Energy stations. The City Council meeting was on TV.



More pictures of our year

