



# HERITAGE MIDDLE SCHOOL

## GO WITH THE ENERGY FLOW



The Heritage Energy Team decided to "Go With the Energy Flow" this year by flowing with different energy activities throughout the year. Activities such as comparing three different types of lightbulbs to determine which was the most energy efficient and then using those results to create a graph as well as complete a writing activity were a lot of fun. We also "flowed" into some fun energy game days. Games such as Energy Jeopardy, Energy Pictionary, Energy Trivial Pursuit, Energy Top Five, and Energy Taboo were enjoyed by all. The games were fun yet they educated about many different energy topics such as efficiency, conservation, and general energy knowledge. We even had a visit from a local weatherman who talked to us about wind and hydro power and we were featured on the news! It was a great year of going with the energy flow.

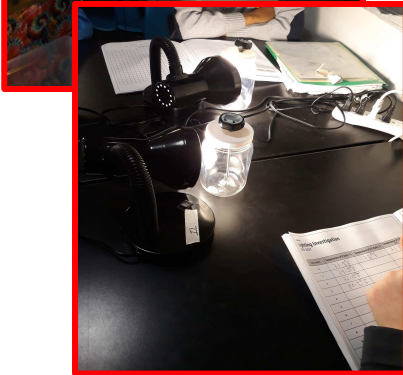
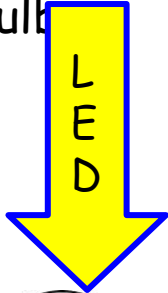
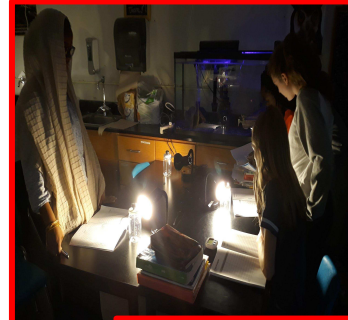
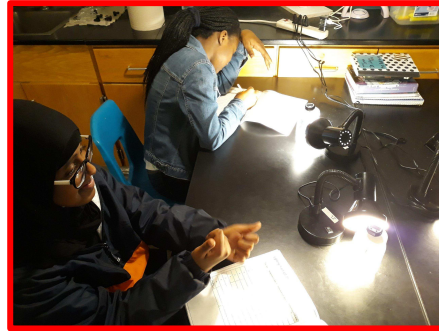
Advisors: Debbie Pellington and Shannon Bal  
Student Advisors: Trinity C., Haley A., Safia R., and Hailey T.



# Battle of the Lightbulbs



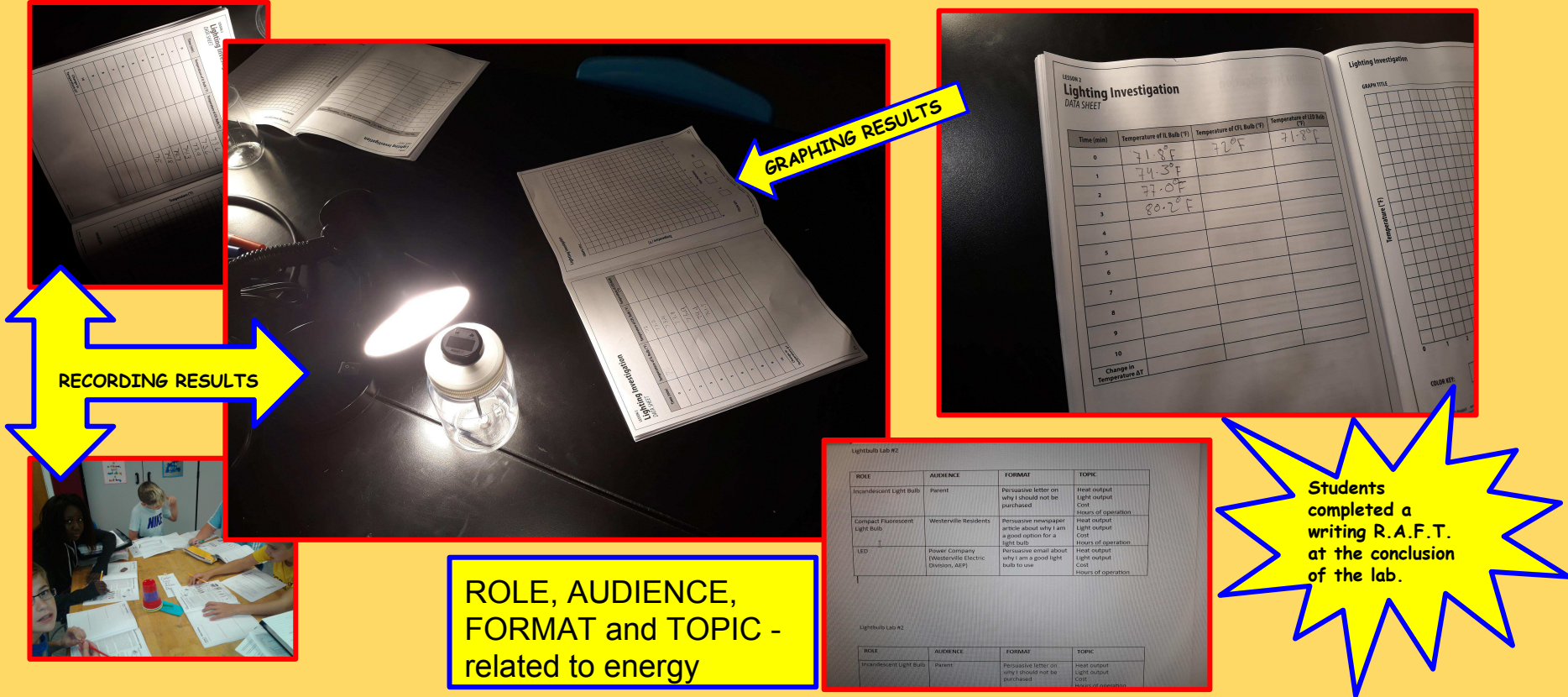
**Goal:** To determine which type of lightbulb was the most energy efficient when comparing an incandescent, a compact fluorescent and a LED lightbulb



300 Seventh grade students participated in the Battle of the Lightbulbs. After recording the amount of heat produced, students declared the LED the winner.



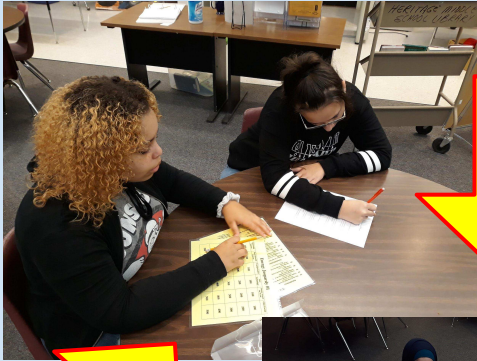
Results: Students recorded results and then graphed their results to show that the incandescent produced the most heat, then the compact fluorescent and finally, the results showed the LED as the most energy efficient bulb.





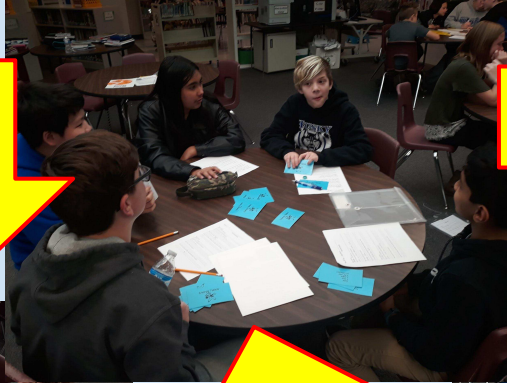
# ENERGY GAME DAYS

Goal: To educate about different energy topics by playing energy games.  
Over 200 students played a variety of energy games.



Energy Jeopardy

Energy Trivial Pursuit



Energy Pictionary



Energy Taboo



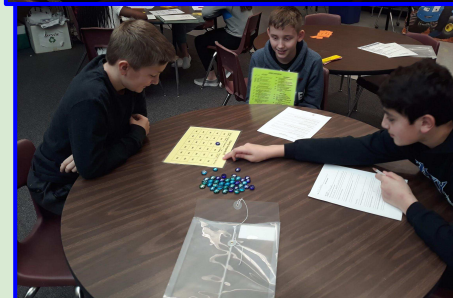
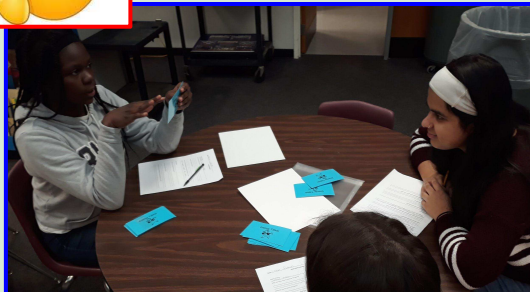
Energy Top 5







# LOTS OF ENERGY FUN

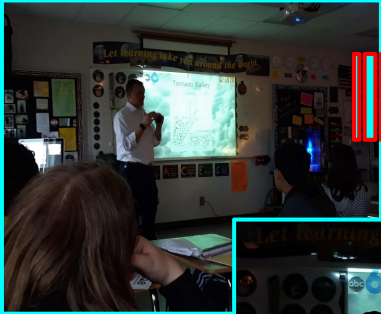




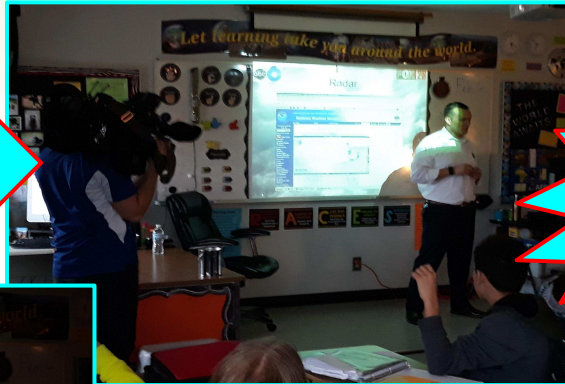
# EXPERT SPEAKER

**GOAL:** To learn about wind and water energy and other ways weather relates to energy

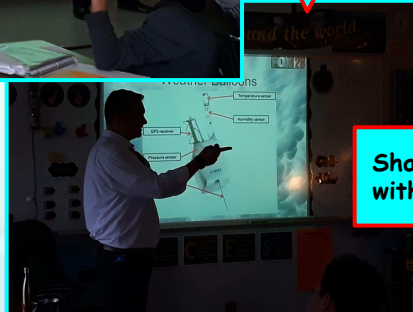
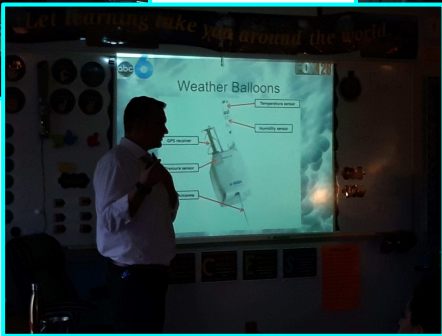
Andrew "Buck" Michael from WSYX, Channel 6 News visited our school to talk about wind power and water power. We learned about the force of water and wind and how those produce energy! We also learned about weather balloons and how weather radar works. We shared our information with our school district and community members.



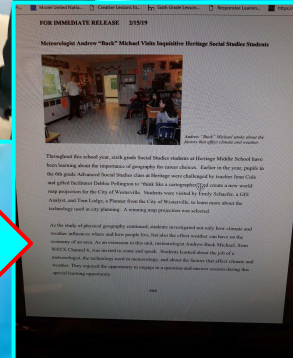
We were featured on the evening and morning news



AUTOGRAPHS



Sharing information with our community



# ENERGY FAIR FUN

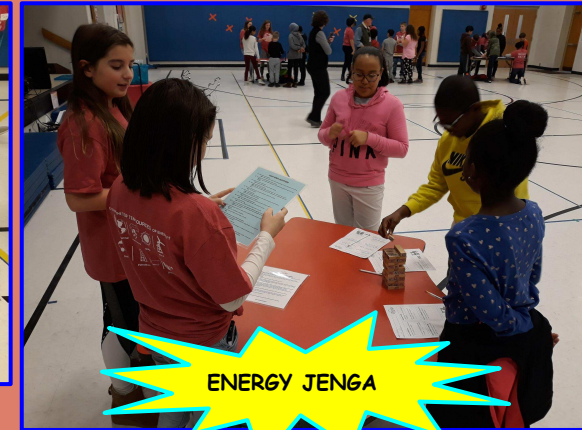
Goal: To educate the 5th grade students at Pointview Elementary School about different energy topics such as circuits, light reflection and refraction, sound waves, sound pitch, forces and motion, and general energy knowledge.



FORCES AND MOTION



ENERGY JENGA



SOUND AND PITCH



LIGHT  
REFRACTION



FUN  
AHEAD



Results: based on Pre and Post test scores, the 5th grade students demonstrated a 50% gain in energy knowledge!



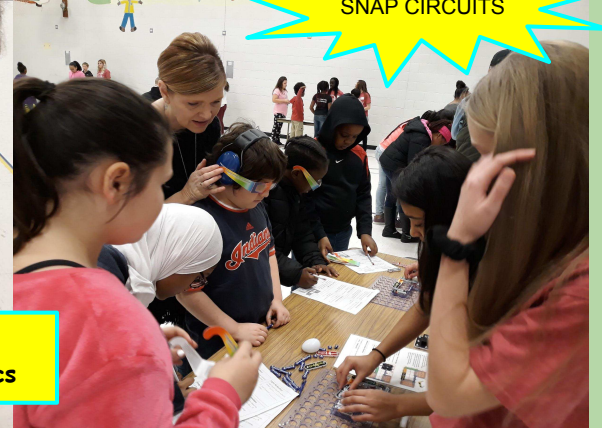
Learning About  
Balanced Forces



Fifth Grade Students  
have fun with Energy



SNAP CIRCUITS

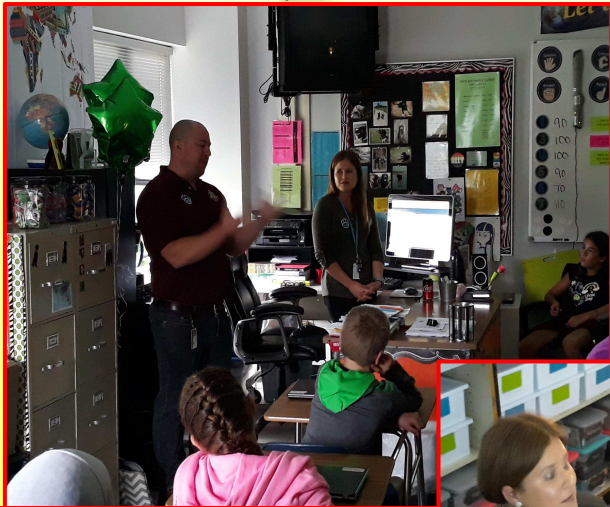


45 fifth Graders Participated -  
Learning about many energy topics

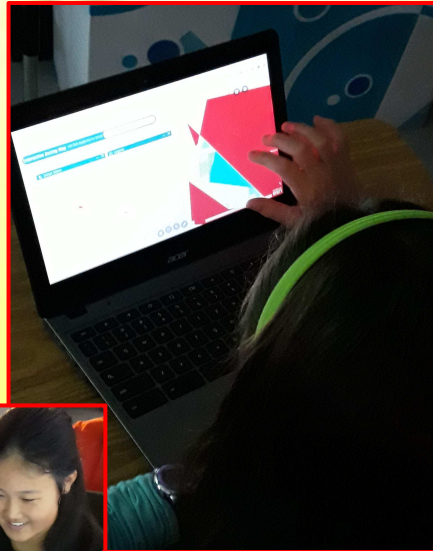


# Planning for Our Energy Future

Goal: To learn how communities plan for increased energy usage as the community grows. Also, to learn about the energy sources utilized in our community!



Our City Planner, Tom Lodge teaches us about how communities plan for growth and how that growth affects the energy grid.



Our Community GIS Analyst, Emily Schaefer, teaches us about how to strategically use some of our renewable sources of energy

