

Ohio Energy Project

Mrs. Hanson's 4th Grade Class
Lincoln Elementary
2017-2018

Our Class Favorite Activity/Lesson

Lighting! Our favorite activity was “Light bulb or Heat bulb?”



Our “clock watcher” intently watched the clock to tell us when to take the next temperature read.

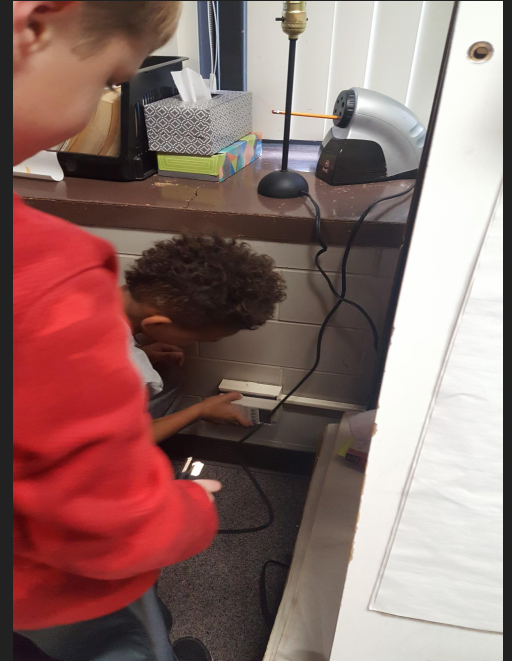
We discovered a difference in temperatures in 3 kinds of light bulbs and were able to practice subtracting decimals while we were at it!

LESSON 4
Lighting Investigation
DATA SHEET

Time (min)	Temperature of IL Bulb (°F)	Temperature of CFL Bulb (°F)	Temperature of LED Bulb (°F)
0	70.7	71.6	70.9
1	71 72.1	72.1	71.2
2	73.4	73	71.6
3	73.6	73.6	71.6
4	73.4	73.8	71.6
5	73.8	73.8	71.6
6	73.0	73.6	71.8
7	72.9	73.9	72.0 72
8	73.4	73.9	72.0
9	73.8	73.6	71.6
10	73.2	73.8	71.8
Change in Temperature ΔT	2.1 2.5	2.2	.9

Appliances and Machines

We used the Kill A Watt meter to measure the energy use of different appliances in our classroom.



Watt Meter surprise!

We were surprised at how many things we had that plug in that we barely notice (I notice this because I have to empty the bucket every day, but the students don't...) We use a lot of energy that we can conserve!



Check the Seal!

Our Energy Efficiency Guide taught us that we can check the seal on our refrigerators with a dollar bill. If the bill slides out easily, it's not sealed tightly! Ours slid out pretty easily. Mrs. Hanson needs to buy a more efficient fridge!



Saving Water!

Who knew that 4th graders can install plumbing fixtures? With a little guidance (and the ok from parents!) they learned they can install low-flow shower heads at home to save water!

