



Newton Schools Energy Learning Projects

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5th Grade Science

Lighting Investigation

- Students observed the use of three different bulbs.
- They were surprised in the difference in temperature.
- They wondered about the variables of the bulbs being different watts.



Water Heating



-After an informative presentation by the head of maintenance about the school's water heating system, we decided to test the temperature of water around the school.

It turns out there are in-line heaters in the water lines, which made the temperature numbers vary from room to room, and also time of day.

Insulation, Heating and Cooling

-Students line up their plastic bottles and test different insulating materials.

-It turns out that Aluminum foil performs pretty well, although wool sock held the hot temperature the longest.



Appliances and Machine Investigation

- Students used the Kill A Watt meter to determine use of electricity in many items
- They were surprised by the watts used in the the drill and the pencil sharpener (when on)
- They also witnessed vampire power with a charger for an electronic microscope.

