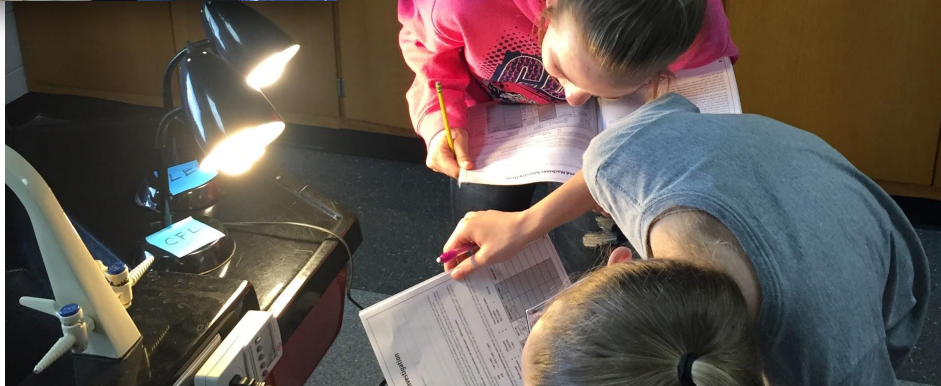
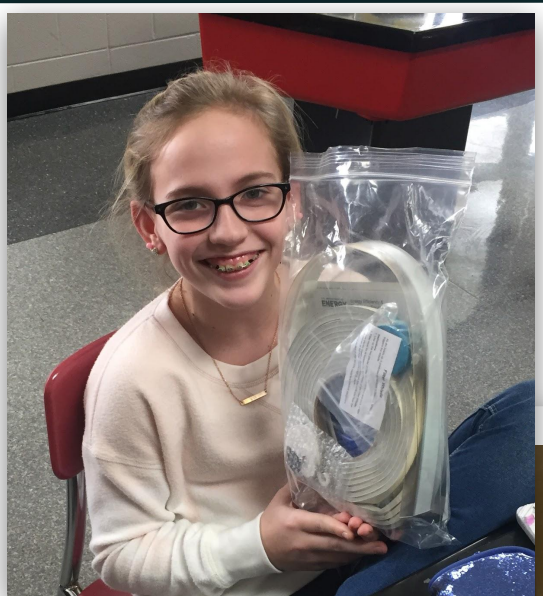


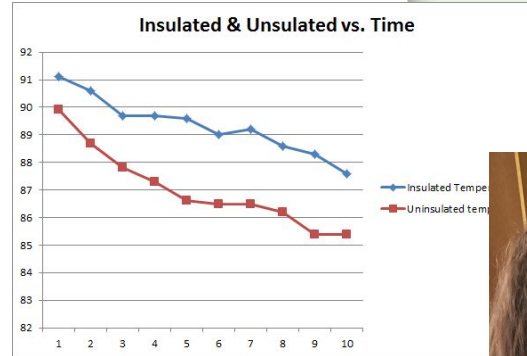
South Webster Jr./Sr. High
School

Mr. Claxon's Ohio Energy Project Scrapbook

By using Ohio Energy Project's **e³ Smart** curriculum, students experienced hands on learning about thermal and electrical energy. The materials provided helped to supplement the unit taught on energy in 7th grade science.

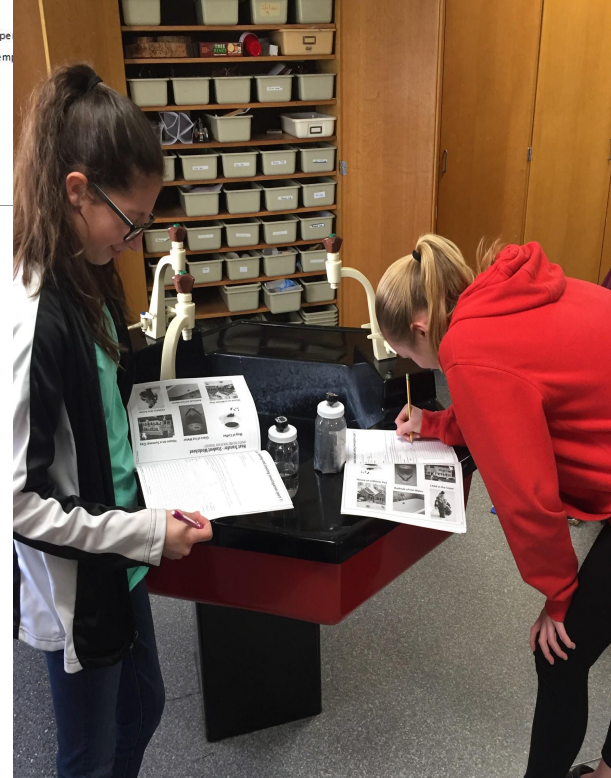
Corey Claxon





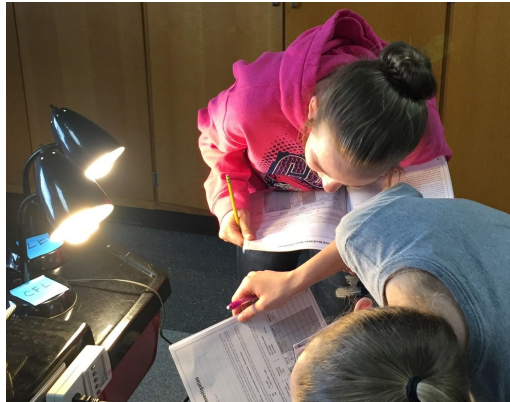
Insulation Lab

- Student's measure the amount of heat loss for insulated & non insulated containers →
- Different insulators were chosen to show how different insulation targets the different types of heat transfer (foil to stop **radiation**, jar cover to stop **convection**, and foam to stop **conduction**)

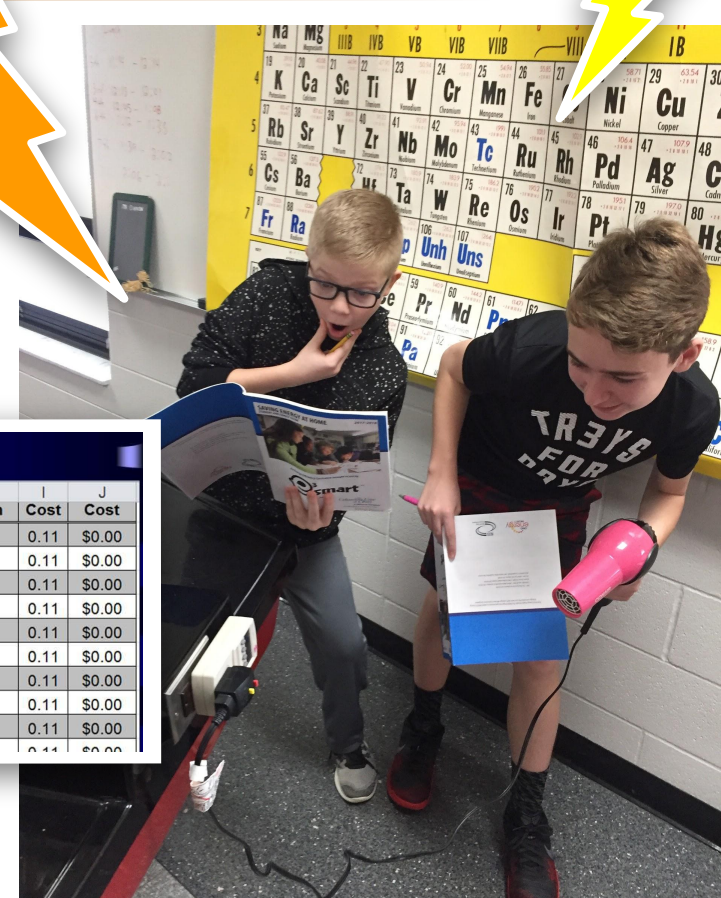


- Student's making measurements with the watt meter
- In addition to measuring **watts**, they also measure **volts** and **amps**.
- This helps to meet Ohio's 7th grade Revised Science Standards relating to electrical energy

Appliance Lab



	A	B	C	D	E	F	G	H	I	J
1	Appliance	Volts	Amps	Watts	Kw	Hrs	Kwh	Kwh	Cost	Cost
2	Desktop Computer				0		0	0	0.11	\$0.00
3	DVD				0		0	0	0.11	\$0.00
4	Coffee Pot				0		0	0	0.11	\$0.00
5	C Florescent Light				0		0	0	0.11	\$0.00
6	Incedescent Light				0		0	0	0.11	\$0.00
7	Microwave				0		0	0	0.11	\$0.00
8	Refrigerator				0		0	0	0.11	\$0.00
9	Lap Top				0		0	0	0.11	\$0.00
10					0		0	0	0.11	\$0.00
44					0		0	0	0.11	\$0.00



OEP's e³ Smart curriculum combines hands on experiences to help teach energy concepts. On top of that, student's take home materials that helps them make a change in both thought and behavior towards energy conservation

