

Greenfield McClain High School
Grades 9-12 NEED Project
***Energy Activities for Clean
Environment Promotion***

SUBMITTED BY:
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Goal #1: To increase student awareness of costs associated with energy consumption with lighting

- **Energy Content Activities**

- Students learned about various light source types and energy consumption with the use of a watt meter.

- **Activities completed**

- Ohio Energy Project Watt Meter Lesson plans

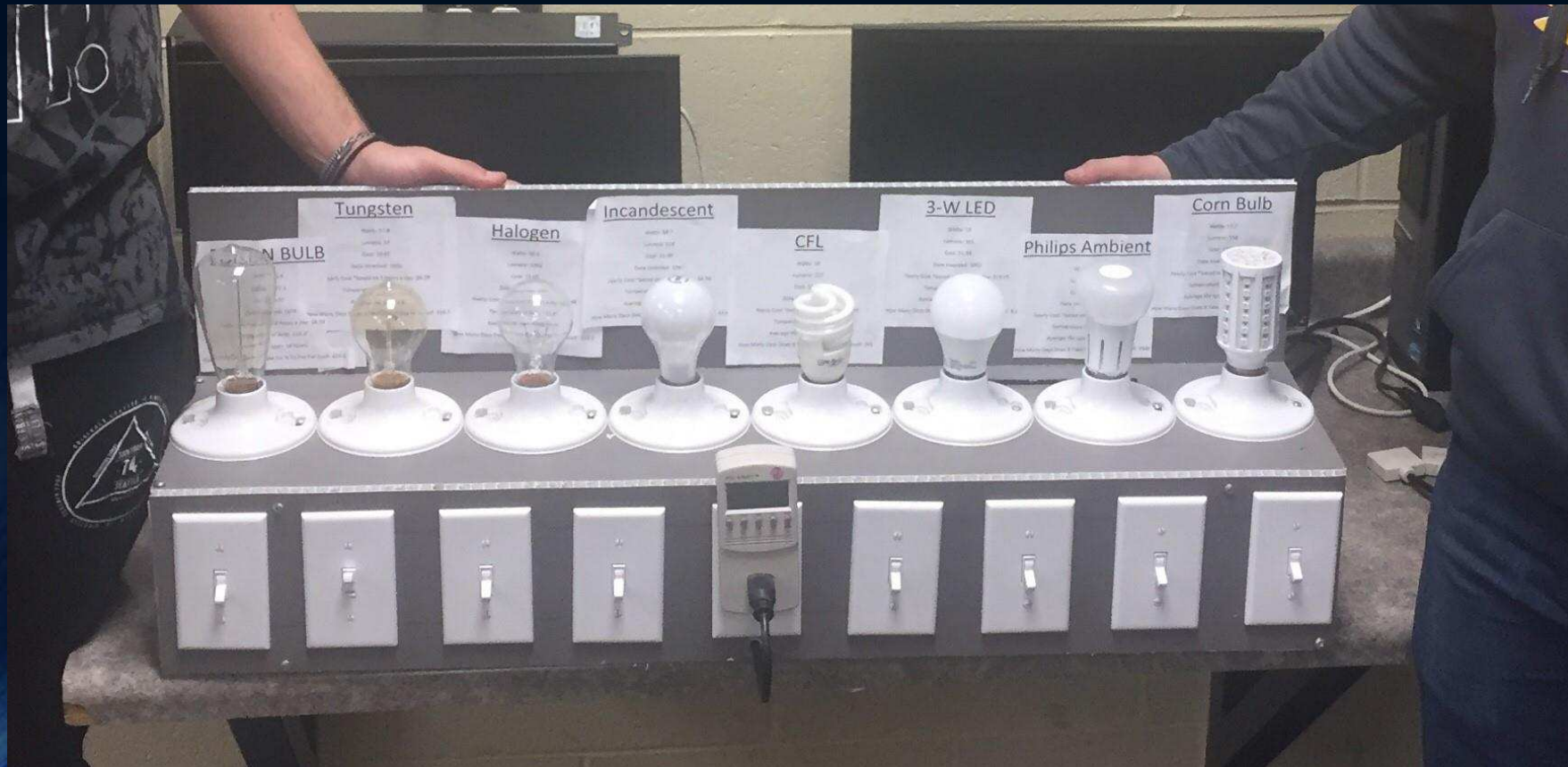
- **Student Leadership**

- Students were divided into teams of four and evaluated multiple bulbs for level of energy efficiency.

- **Results Achieved**

- Students developed understanding of consideration of energy consumption efficiency in use of various lightbulbs. Students were able to identify bulbs that would save money when used in their homes.

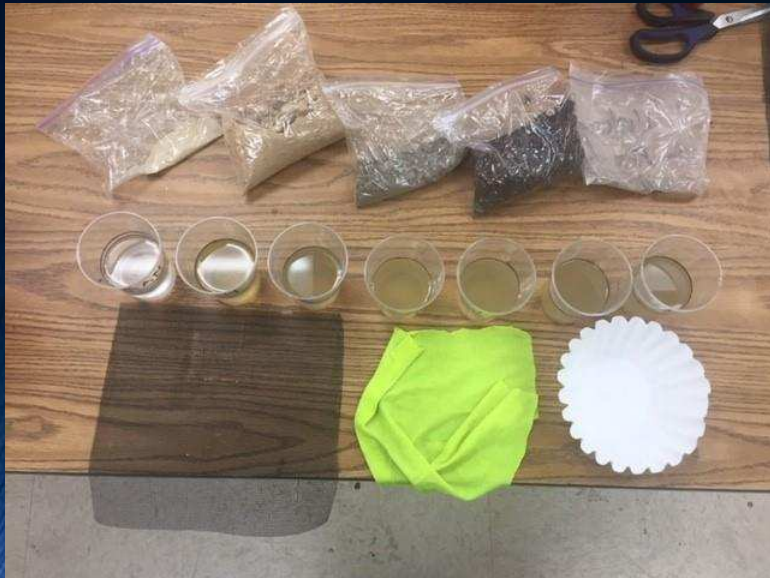
Watt Meter Activities



Goal # 2: To identify the environmental implications of air pollution

- **Energy Content Activities**
 - Students learn about the difficulty of purifying the air with the use of coal fired generators.
- **Activities completed**
 - Water purification activity-Each team was charged to use everyday materials to develop a process for cleaning water.
- **Student Leadership**
 - Students work in teams and presented their findings to class.
- **Results Achieved**
 - Students were able to develop a process to clean the dirty water and also identify that protecting the environment through clean energy production reduces the carbon footprint.

Water/Air Purification Project

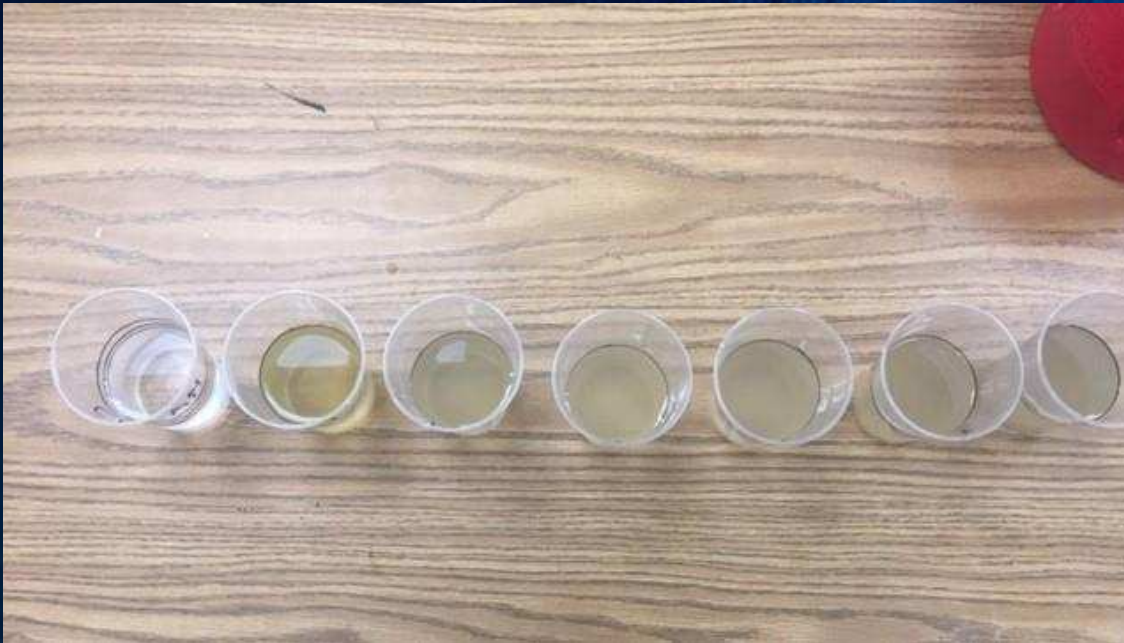


Supplies for Project



Starting with water with 1 tsp of particulate in each cup

Water/Air Purification Project



Here is a student group's water in process of being filtered. Each group had to develop processes for cleaning the water in each cup.

Goal #3: Students will attend the Ohio Energy Summit and educate other students with energy saving activities

- **Energy Content Activities**
 - Students attended a training day at Wright State University to explore energy activities and how to facilitate energy activities.
- **Activities completed**
 - Energy Sources Information
 - Leadership activities
- **Student Leadership**
 - Students took the teaching provided and came back a second day to provide energy activities to teaching to multiple students from elementary schools in the area.
- **Results Achieved**
 - Students facilitated energy activities with younger students and taught them about energy saving activities.

Ohio Energy Project



Ohio Energy Project

