



# Watts Up

## Plugging into Electricity and Conservation

**Watts Up** is an engaging in-class exploration of electricity and energy conservation. Through hands-on learning stations and demonstrations, students will learn where our electricity comes from, why renewable resources are better, and why turning off the lights when we leave is so important!

Learning stations include a model wind turbine, hand crank generators, and measuring electricity with a watts meter. MEE's Hydroelectric dam illustrates how we convert energy in our rivers and lakes into electricity for our homes.

In addition to supporting students' environmental literacy and STEM concepts, this lesson is also designed around the following NGS Standards\*:

- K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

**Students will develop a basic understanding of energy and electricity while learning strategies to conserve both.**

*\*This lesson is also aligned with MCPS and FCPS curriculum standards.*

**Cost per student for Watts Up is \$10**

To learn more, please contact: **Alyssa Wiens**

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