

**Talcott Mountain Science Center**

**Topic** [Water Wheels](#)

**Home School Science**

**Instructor** [Mrs. Roberts](#)

**Home Links**

**Date** [Nov. 10, 2023](#)

**Here's some information about the activities your student did with us. Links at the bottom will help you explore further. Enjoy!**

### **What did we do (content, skills, data collection)?**

Today we discussed and built water wheels. We talked about how water wheels generate electricity, what the most efficient water wheel setup is, and what the pros and cons of hydropower are.

### **How did we do it (materials & methods)?**

We used PVC pipe, tubing, buckets, motors, and spoons to create our own mini water wheels. We used multimeters to measure how much electricity our wheels were generating, and experimentsd with different variables to figure out what combination produced the most power.

### **Where can we find out more?**

Energy Education: Waterwheels - <https://energyeducation.ca/encyclopedia/Waterwheel>  
Brittanica.com: Waterwheel - <https://www.britannica.com/technology/waterwheel-engineering>  
Wonderopolis: Waterwheels - <https://wonderopolis.org/wonder/what-is-a-waterwheel>