

Talcott Mountain Science Center

Topic Batteries and Circuits

Home School Science

Instructor Mrs. Roberts

Home Links

Date Sept. 29, 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)?

We learned about what makes batteries provide electricity, and how circuits work.

We discussed parallel vs. series circuits and why one seems to work better than the other.

How did we do it (materials & methods)?

We did two separate experiments. In one, we connected batteries to lightbulbs in parallel and series circuits, and observed which circuit type made the lights glow more. We tested different numbers of light bulbs and different types of batteries (D and AA).

Our second experiment used household items to make a battery. We soaked filter paper in either sugar water, baking soda water, salt water, or vinegar, and sandwiched the saturated paper between two pieces of metal: copper, aluminum, or steel pieces. We used multimeters to determine which combinations produced the most power.

Where can we find out more?

Britannica Kids - Circuits: <https://kids.britannica.com/students/article/electric-circuit/599858>

SparkFun - What is a Battery?: <https://learn.sparkfun.com/tutorials/what-is-a-battery/all>