

**Talcott Mountain Science Center**

**Topic** [Applications of Circuits and Motors](#)

**Home School Science**

**Instructor** Mrs. Roberts

**Home Links**

**Date** Oct. 27, 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 expanded on previous weeks' discussions of solar energy and series/parallel circuits. We took what we learned and experimented with custom configurations of solar cell circuits. We also built little cars and attempted to power them with the solar cells.

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

We used kits to make cars that could be powered by propellers or rubber band pulleys and compared them to one another. We tried to power the cars with solar cell circuits but were unsuccessful; we discussed why it didn't work and what we could try differently if we did it again.

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

FuseSchool: Series and Parallel Circuits - <https://www.youtube.com/watch?v=8Z0jhQeYDUE>

Solar Car Experiment: [https://www.sciencebuddies.org/science-fair-projects/project-ideas/Energy\\_p043/energy-power/how-to-build-solar-powered-car](https://www.sciencebuddies.org/science-fair-projects/project-ideas/Energy_p043/energy-power/how-to-build-solar-powered-car)