



## Virginia Region II Annual Teacher Night at Jefferson Lab 2025

**Activity Title:** **May the 4th Be With You DIY Light Sabers**

**Type:** Student Activity

**Grade Level:** Grade 5

**Time Allotment:** >10 minutes for the activity. Would require a lesson on circuits prior to this hands on activity

### Objectives with Correlated SOLs:

5.4 (Electricity and Circuits)

Key Concepts:

5.4a: Static electricity and its effects.

5.4b: Basic circuits, including open and closed circuits.

5.4c: The flow of electricity in conductors and insulators.

### Materials List (including equipment):

- 1 piece of cardstock or thick paper
- Copper Tape with conductive adhesive
- 1 coin cell battery (3V, such as CR2032)
- 1 LED (any color preferably a diffused LED)
- 1 binder clip or small piece of tape
- Scissors
- Pencil
- Ruler
- Clear Tape
- Milkshake Straw (for lightsaber effect)

### Teacher Contact Information:

Caitlin Hayes

[chayes@sjavb.org](mailto:chayes@sjavb.org)