

# **LIGHT UP GREETING CARD**

## **INSTRUCTOR AND VOLUNTEER GUIDE**

### **COMMON PROBLEMS AND TIPS**

- First, make sure the students have access to the sample card and can compare it to their own cards.
- The students may have trouble figuring out how to fold the tape around corners, make sure you learn how to do this and can help them out with this step.
- Students often cross the copper tape where they are not supposed to and create short circuits.
- Students sometimes have trouble with the switch and cover the entire top of the battery with the tape when they secure it to the paper. Make sure only a small edge of the battery is covered by the tape.
- If a student's LEDs flicker and only light up occasionally make sure they try the final step in the instruction booklet.
- If a student's LEDs do not light up at all, make sure the LEDs are in the right direction (with the flat side of the bulb lining up with the flat spot in the template) and make sure the positive side of their battery is face up.
- If the circuit still does not light up after the previous step, look for breaks in the copper tape.
- If the circuit still doesn't light up, first try swapping out the LEDs, then try swapping out the battery.

- LEDs in parallel must have the same or similar voltage inputs. This usually means they are the same or similar colors. This is often the problem if only one LED lights up.