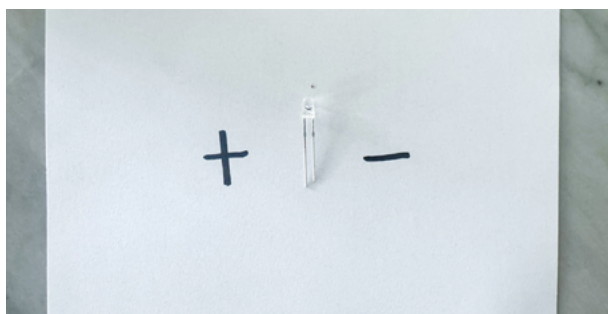# CAMP SAVE-A-WATT™

CAMP CRAFT: Index Card Flashlight

SUPPLIES NEEDED

- An index card (3" x 5")
- Aluminum foil (4" x 12")
- A 3V button battery
- A mini LED bulb
- Masking tape or file folder labels
- Scissors

STEPS

1 **Identify the LED Wires:** Find the positive (+) wire on your LED bulb – it's the longer of the two wires. The shorter one is the negative (-) wire.

2 **Attach the LED:** Tape the LED bulb to the top edge of the index card, with wires pointing down. Leave plenty of space at the bottom of the wire to connect with the aluminum foil conductor. Label the wires directly on the card (+ and -).
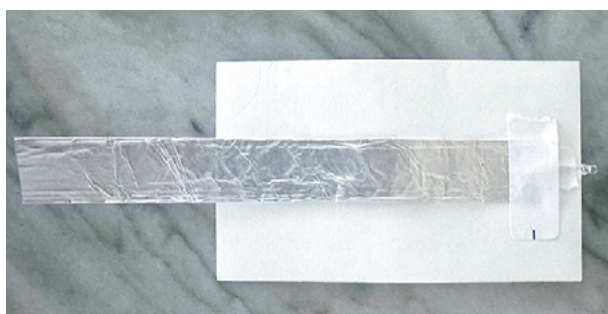

3 **Make your conductor:** Tear a piece of aluminum foil (4" x 12") and fold it lengthwise several times until you have a narrow strip like a piece of ribbon.
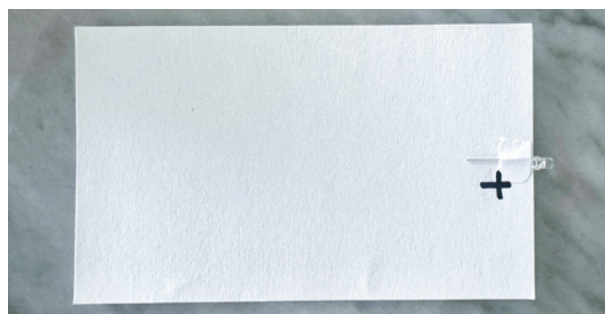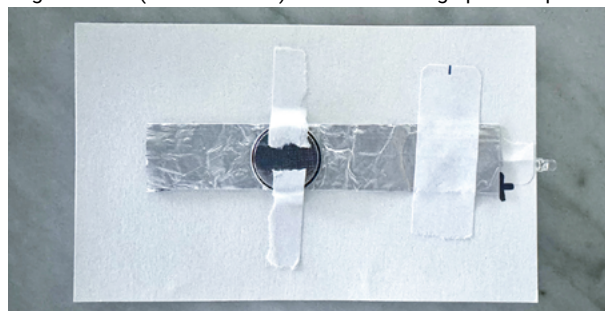

4 **Connect the positive wire and battery:** Tape one end of the foil strip to the positive wire of the LED bulb. Cut the strip so it stops around two-thirds of the way down the card. Place your button battery (positive side down) on top of the foil strip. The negative side (often textured) should be facing up and exposed.

5 **Connect the negative wire:** Turn the card over. Use the long remaining strip of foil and tape it to the negative wire of the LED.

6 **Complete the circuit:** Fold the negative foil strip down to touch the exposed side of the battery on the other side of the card. Your LED should light up, showing your circuit is complete!