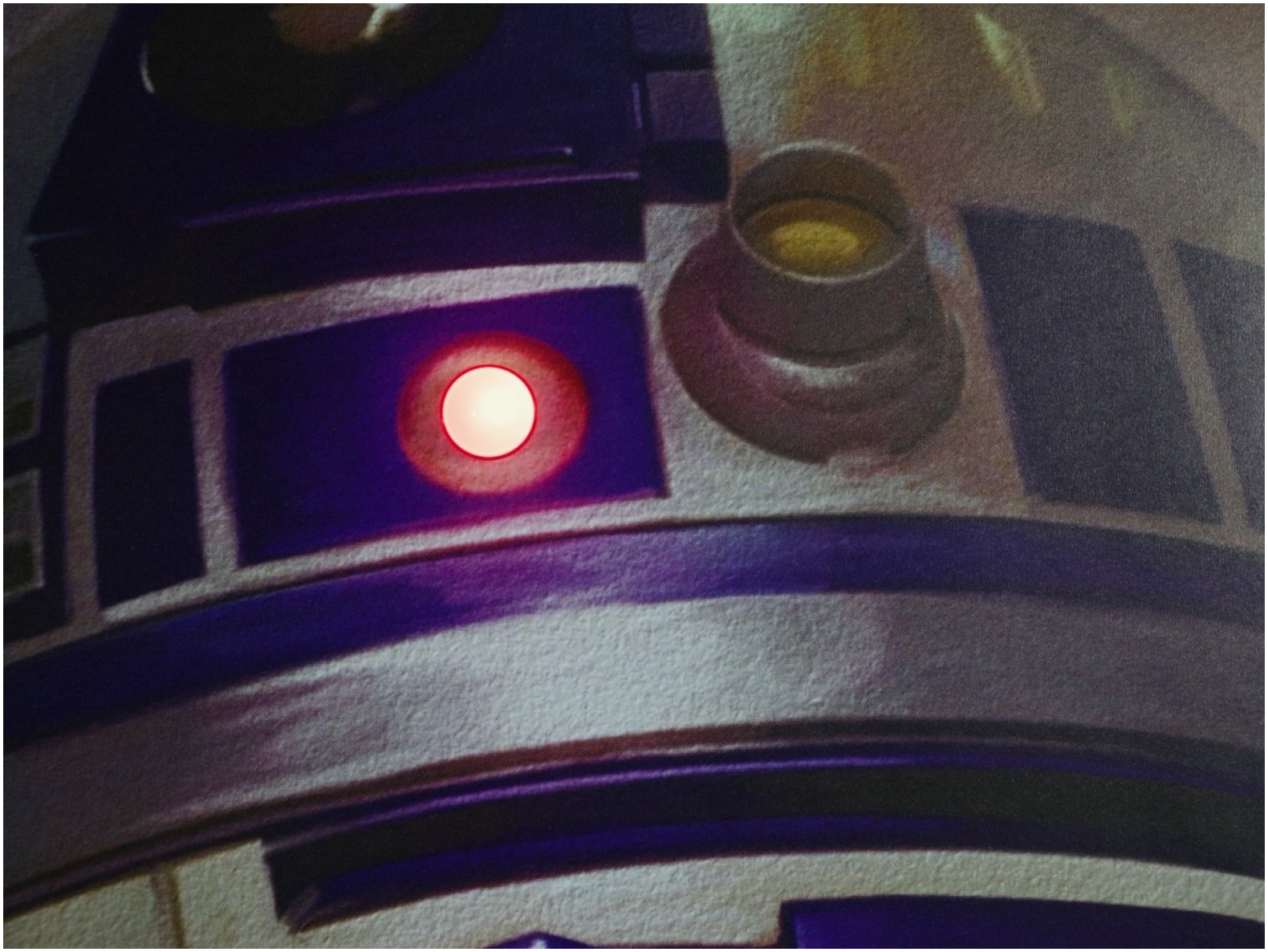
Light-Up Star Wars Poster

Add interactivity and lights to your poster.

Written By: Natasha Dzurny



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INTRODUCTION

Add interactivity and lights to your poster.

TOOLS:

- Scissors (1)
- X-ACTO Knife (1)
- Safety Pin (1)

PARTS:

- Jumbo 10mm Diffused LED (1)
- Maker Tape (1)
  1/4" Wide
- CR2032 Battery (1)
- Poster (1)
- Poster Board (1)
  similar in size to poster
- Spray Adhesive (1)
- Cardstock (1)
  or similar thick paper
- Clear Tape (1)

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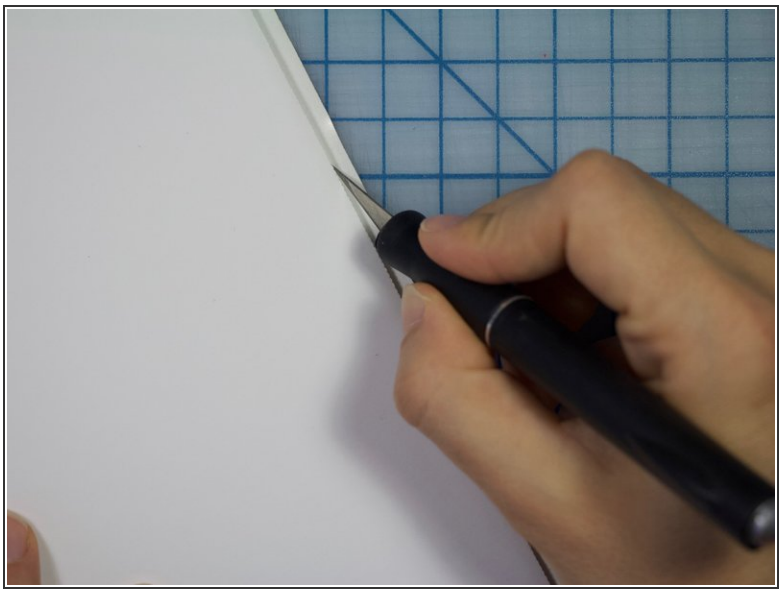
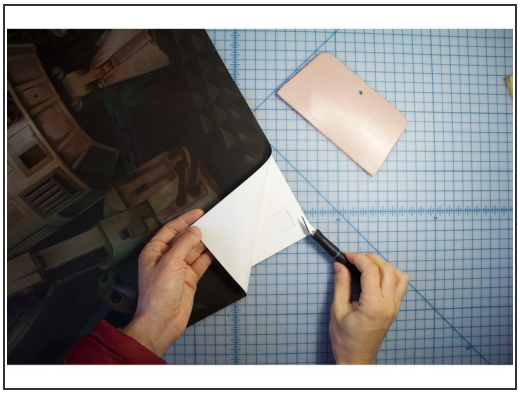
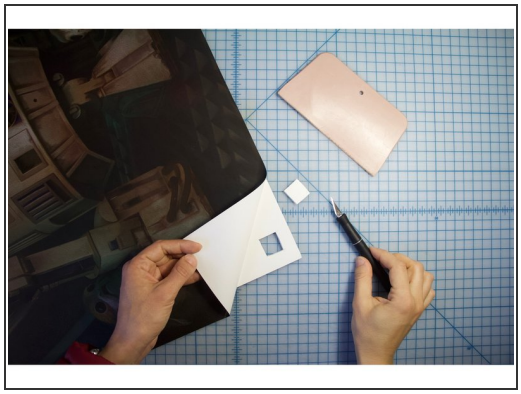
Step 1 — Light-Up Star Wars Poster

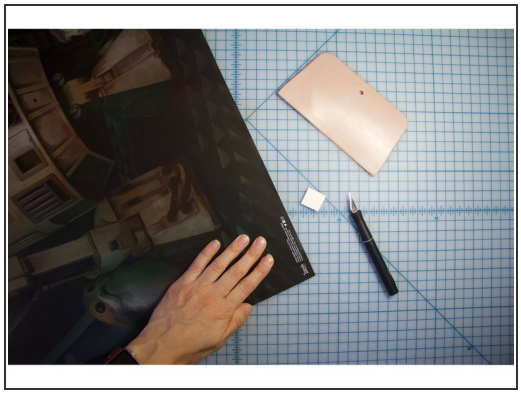


- Gather Materials. You will also need a Craft Knife, scissors, safety pin, and clear tape.
- Use the instructions on your spray adhesive or glue to mount the poster to the poster board.
- Trim the edges if necessary.

Step 2

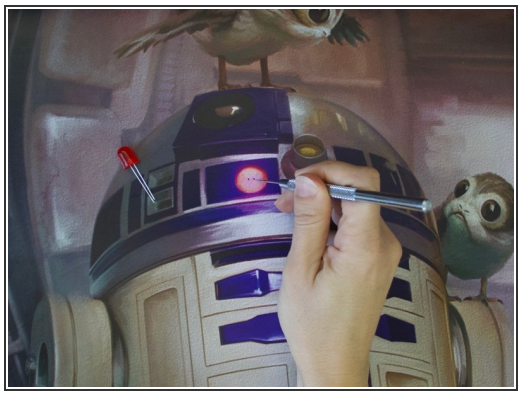
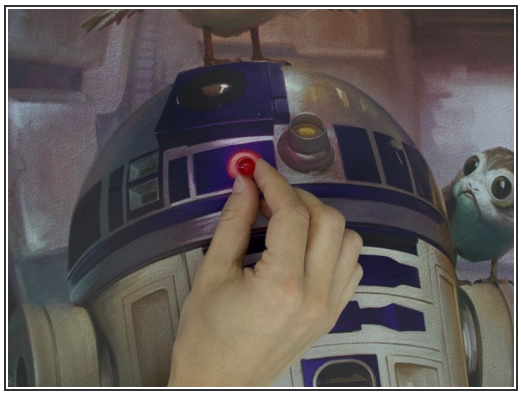






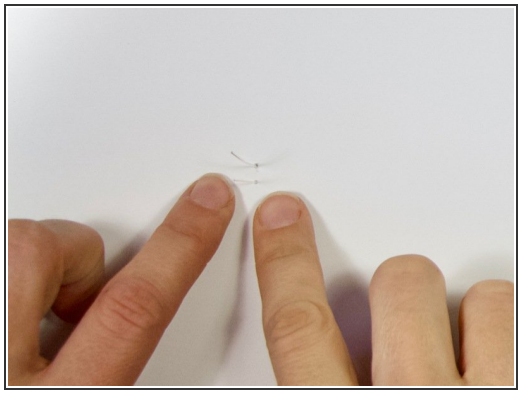
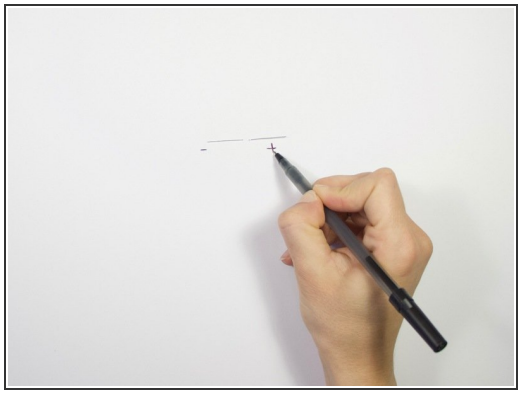
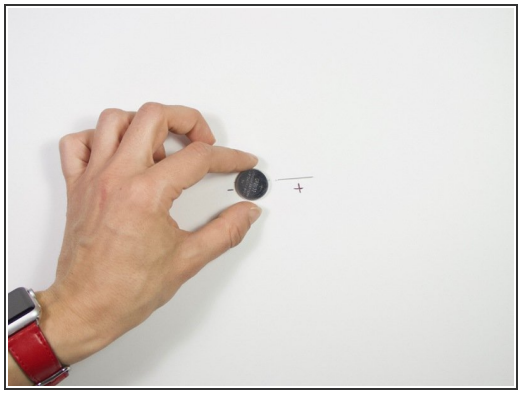
- Decide where to place your switch. Peel back the poster from the poster board in this area.
- Cut a square shape and pop it out. Keep the square to use later.
- Smooth the poster back in place, glued to the poster board.

Step 3

- Use a safety pin to make two holes for the LED legs to poke through the poster.
- Tip: If you don't have a safety pin, make a horizontal slit in the poster with your craft knife and press both LED legs thought the slit.

Step 4

- Turn the poster over.
- Pull the legs so that the LED is flush on the front of the poster.
- Remember which leg is positive (the long one) and negative (the short one). Fold the legs flat against the poster in opposite directions.
- Label them so that you don't forget.
- Place your battery on the negative leg, positive side up.

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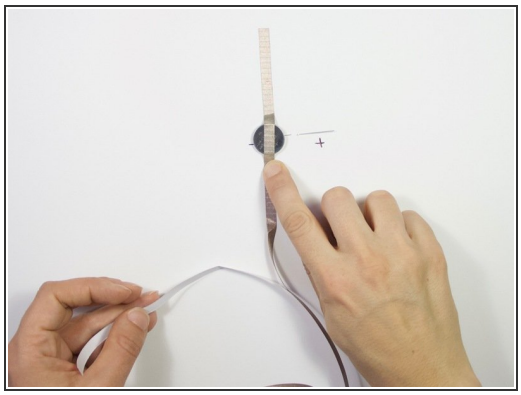
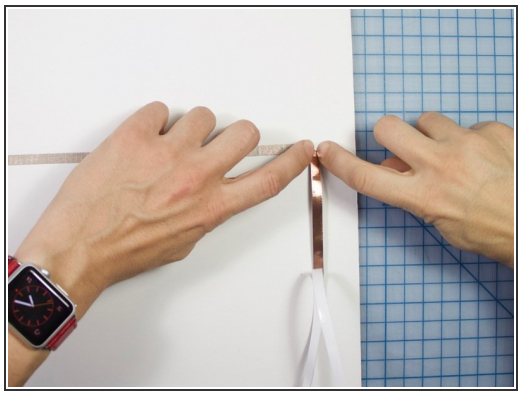
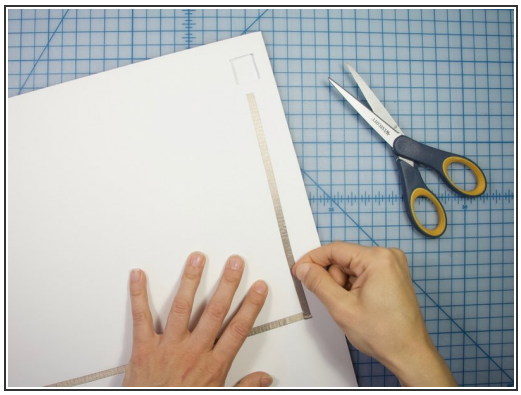
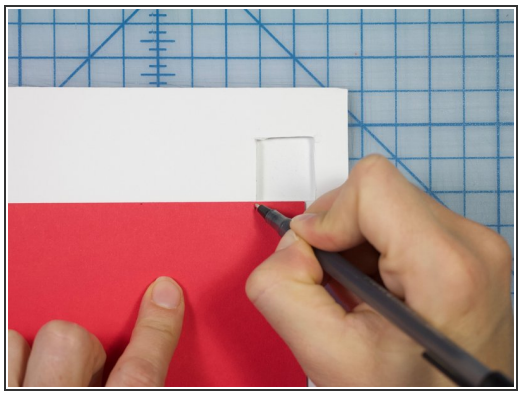
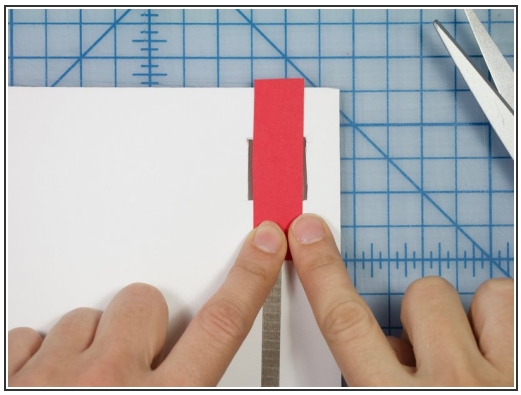
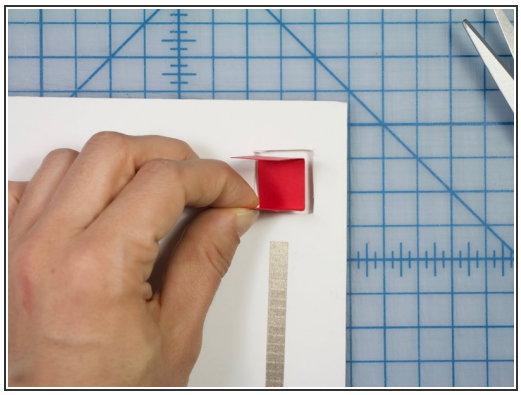
Step 5

- Take out some Maker Tape.
- Starting above the battery, tape the battery to the poster board as shown.
- Continue to create a path to the square hole in the poster board.

Step 6

- Cut a strip of cardstock that will fit inside the box hole.
- Fold the strip so that it sits inside as shown.

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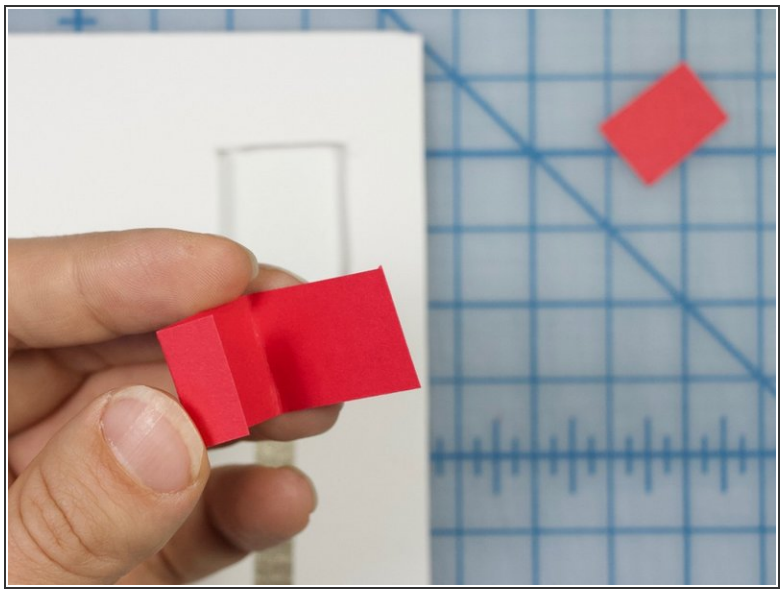
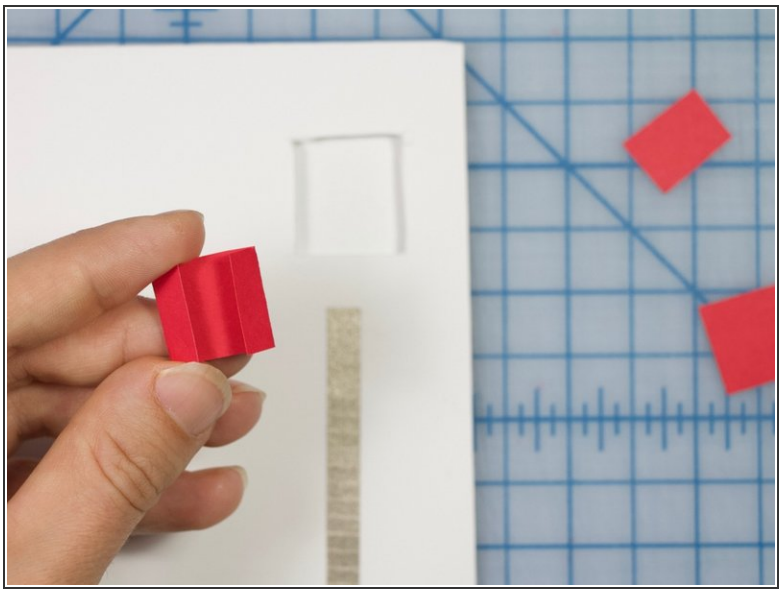
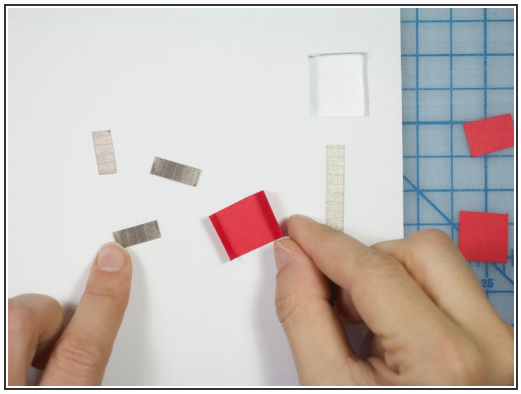
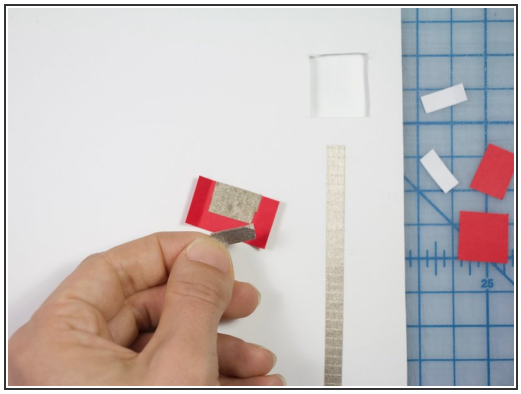
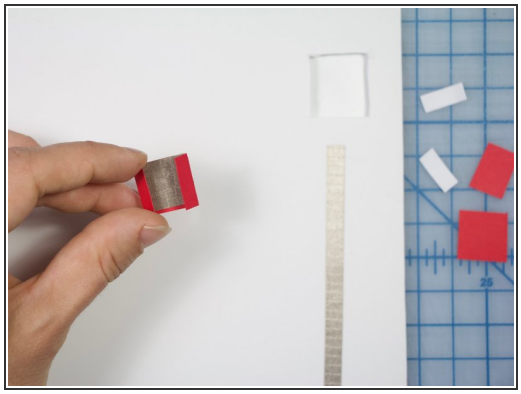
Step 7

- Trim the flaps so that they don't touch when folded.

Step 8

- Cut small pieces of Maker Tape to cover the inside of the flap as shown.

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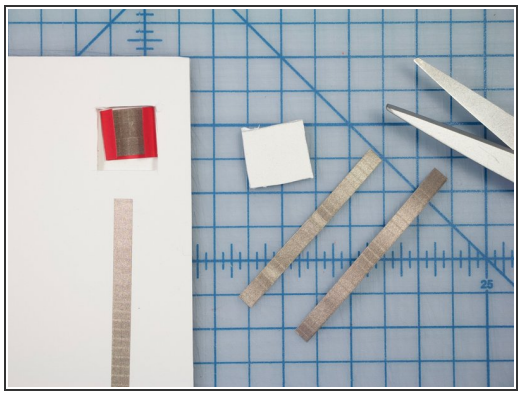
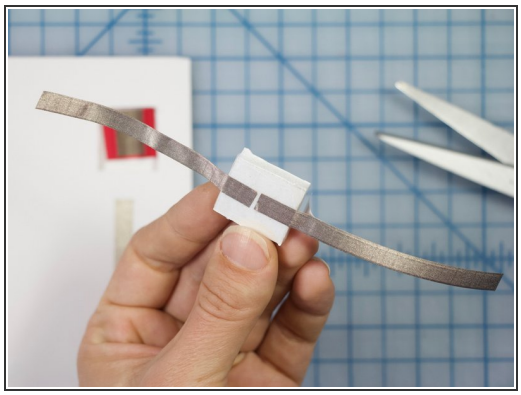
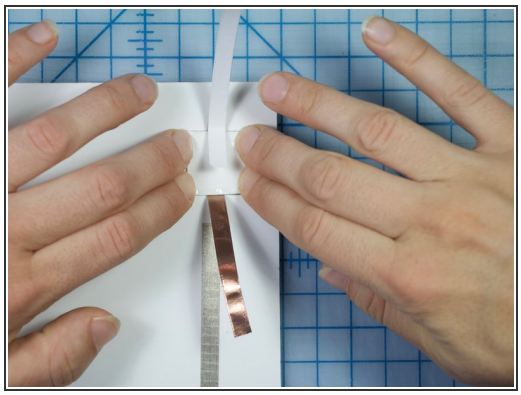
Step 9

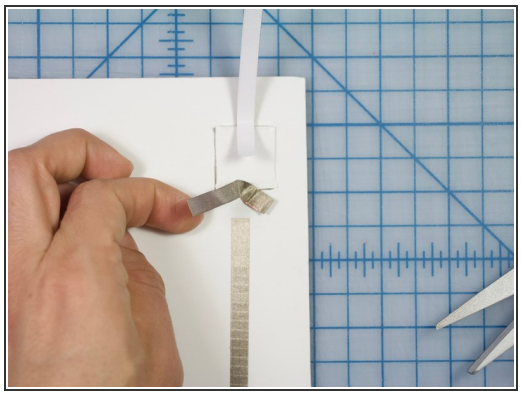
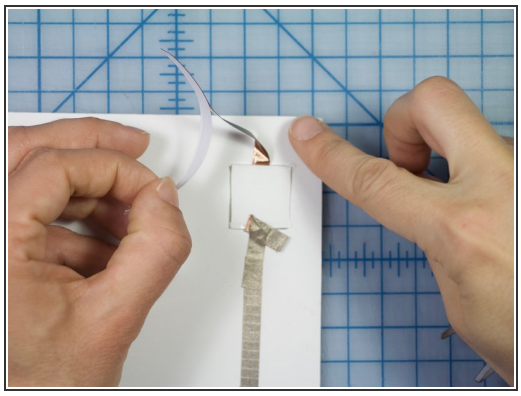
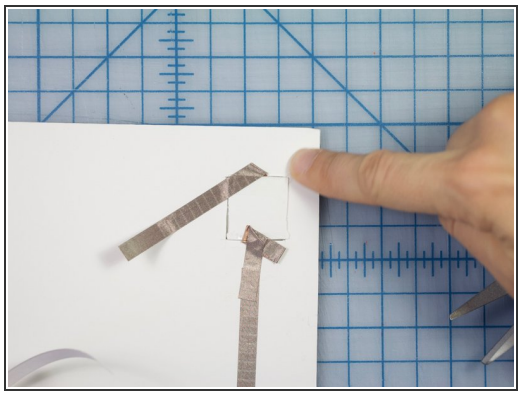




- Cut two pieces of Maker Tape. Adhere them to the square piece as shown, with a gap between them.

ⓘ Tip: Check that there is no adhesive on this square piece. If there is, cover it with a bit of tape to prevent it from being sticky.

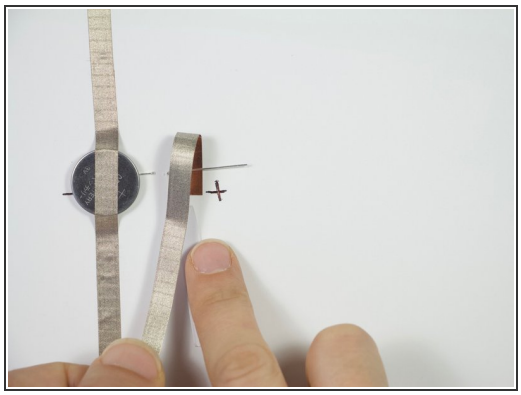
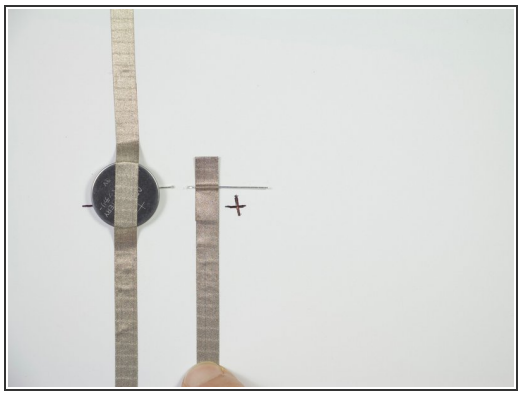
- With the cardstock piece placed in the square and the flaps folded down so that only a small amount of the Maker Tape inside is visible, place the square piece in the square hole face down as shown.

Step 10

- Attach one of the strips of Maker Tape to the line of Maker Tape coming from the LED.
- Direct the second piece toward the LED and adhere it to the poster board.

Step 11

- Adhere Maker Tape to the positive side of the LED, then continue to connect this piece with the piece of Maker Tape coming from the other side of the switch.

Step 12

- Test your switch by squeezing the poster board where the switch is located. You should see a light!

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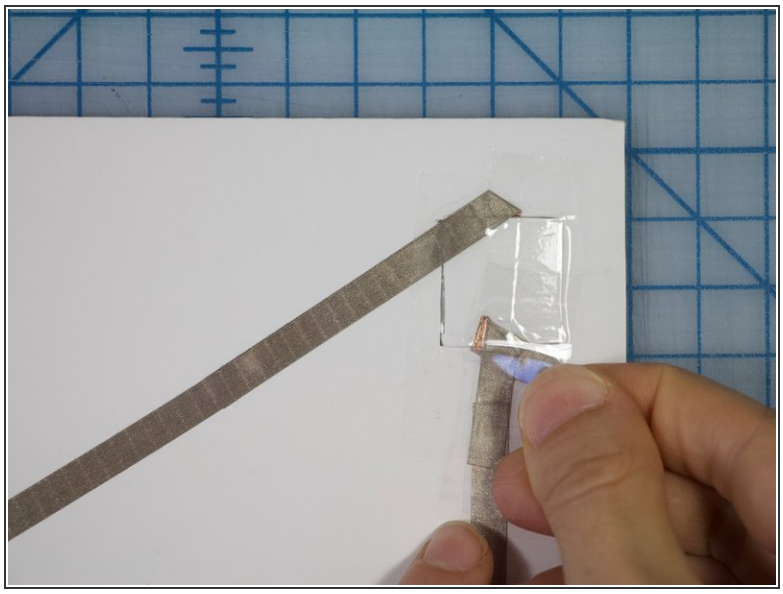
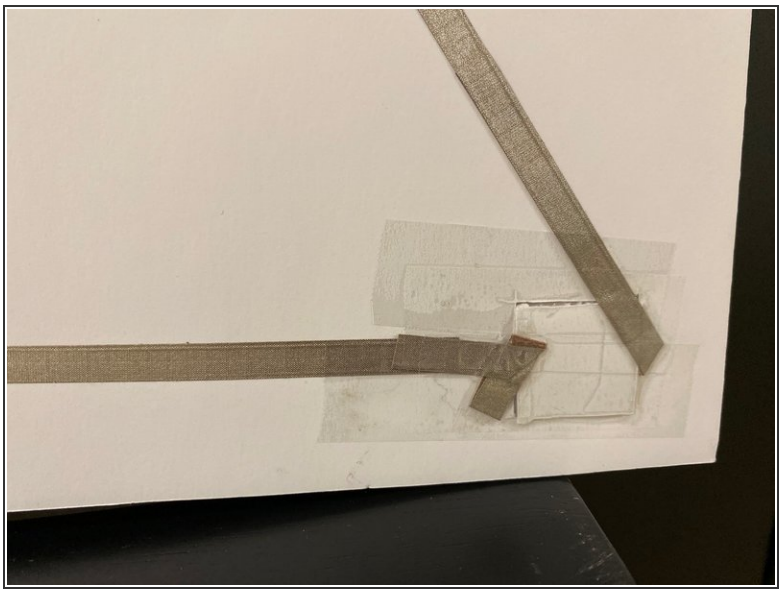
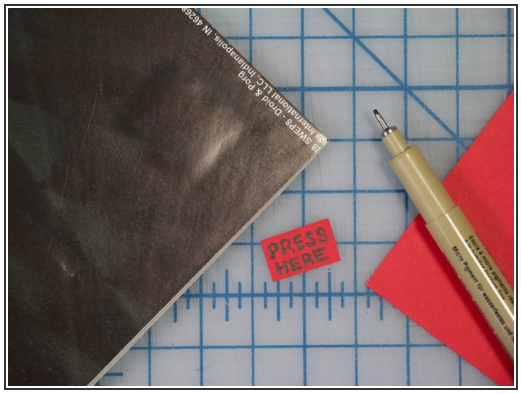
Step 13

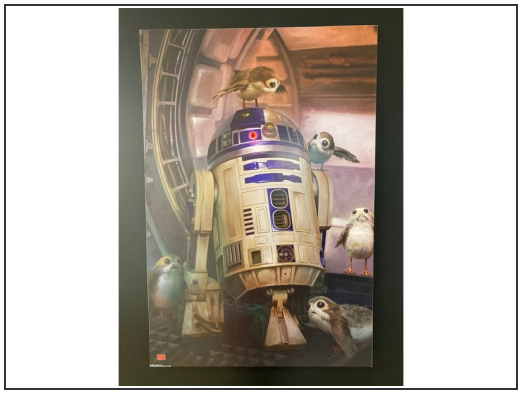




- When your circuit is working, place clear tape over the switch to maintain its structure when being pressed.

Step 14





- Create a label for your switch and tape it in place.
- Hang your poster on your wall!

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