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Polar Bear

Make a festive light up polar bear paper circuit using two LEDs, a CR2032 battery, and some Maker Tape.

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INTRODUCTION

Make a festive light up polar bear paper circuit using two LEDs, a CR2032 battery, and some Maker Tape.

You can make this project (and many more!) with our **Paper Circuits Kit**.
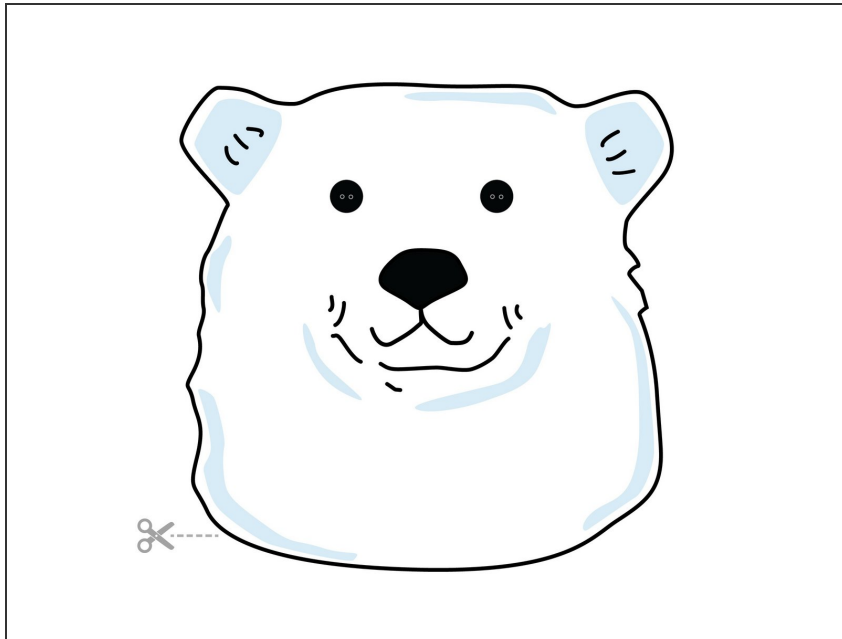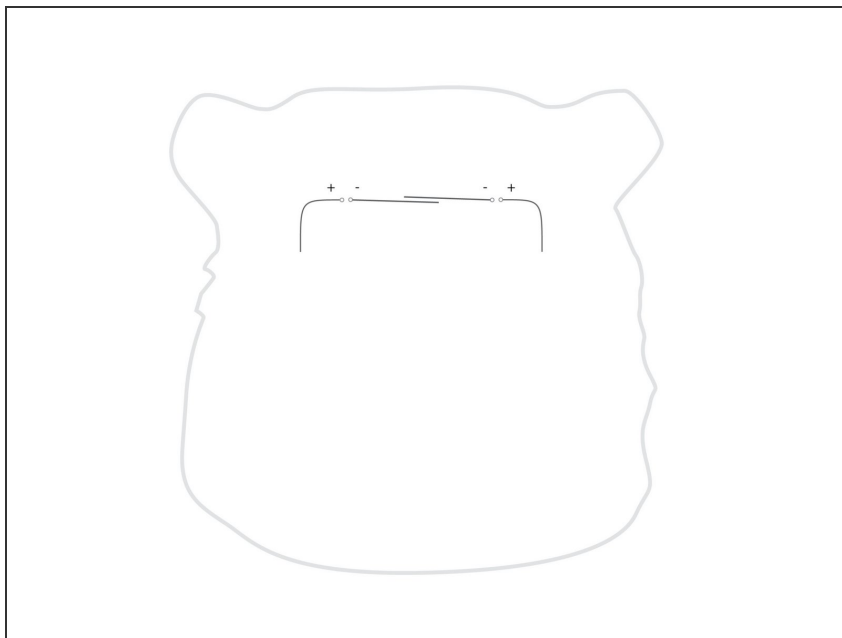
TOOLS:

- Scissors (1)
- Safety Pin (1)

PARTS:

- Paper Circuits Kit (1)

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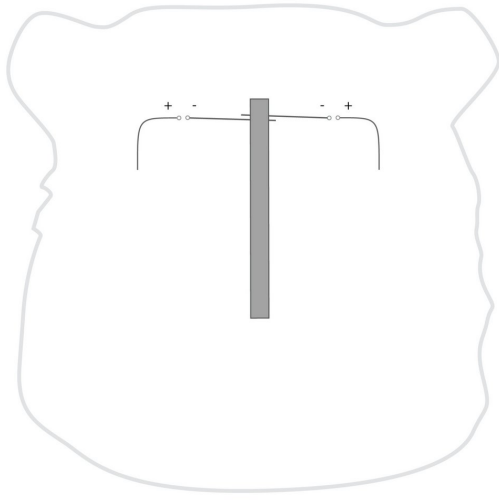
Step 1 — Print and Cut

- Print out the template and cut it out.

- (i) We recommend printing the polar bear on a heavier paper like cardstock.

- (i) For best results cut from the front side in case your print doesn't line up properly with the back.)

- (i) It makes things easier if you can print double sided, but you can just print the front and use the back side as a guide to build your circuit.
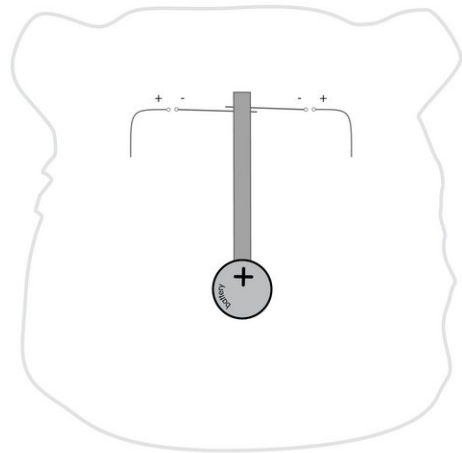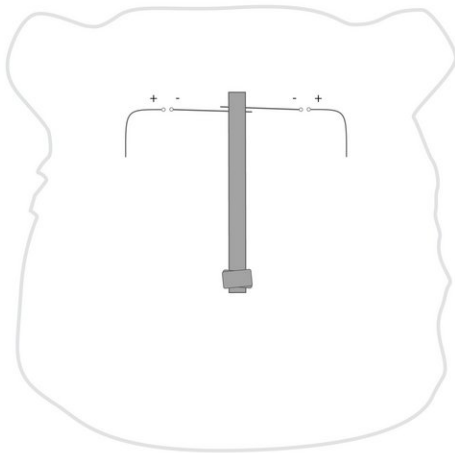
Step 2 — Add LEDs

- Poke holes through the front for the LED legs. (We recommend using a safety pin or paper clip.)

- Insert the LED legs through the front, making sure the negative legs are towards the center. (The shorter LED leg is the negative one.)

- Bend the LED legs flat against the back side.

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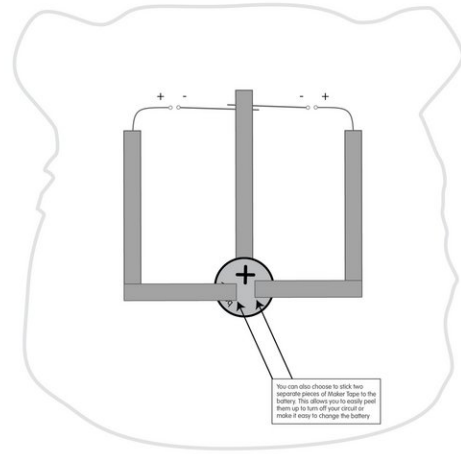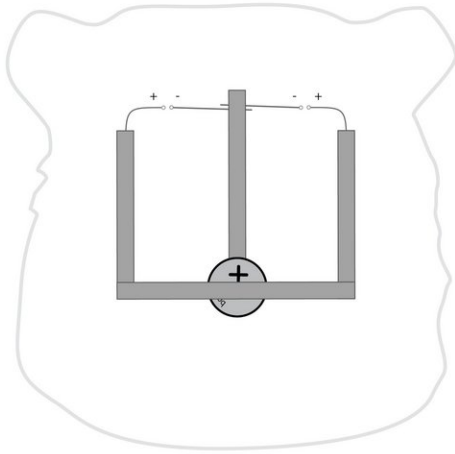
Step 3 — Add Negative Side Maker Tape

- Add the center piece of Maker Tape to the LED legs. (This will connect the negative legs to the negative side of the battery.)

Step 4 — Add the Tape Loop and Battery

- Add a tape loop to the center piece of tape, then stick the battery down to it. (Make sure you stick the negative side of the battery down.)

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Step 5 — Add Positive Side Maker Tape

- Add additional pieces of Maker Tape to connect the positive LED legs to the top of the battery.

- Your LEDs should light up as soon as you connect the tape.)

- ⓘ You can also choose to stick two separate pieces of Maker Tape to the battery. This allows you to easily peel them up to turn off your circuit or make it easy to change the battery.

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Step 6 — Enjoy!

- Enjoy your light up polar bear!

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