Reginald the Reindeer

Make your own "Reginald the Reindeer" a light-up paper circuit project using an LED, a CR2032 battery, and some Maker Tape.

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INTRODUCTION

Make your own "Reginald the Reindeer" a light-up paper circuit project using an LED, a CR2032 battery, and some Maker Tape.

There's a full-color version as well as a black & white version that makes a great coloring activity.

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

TOOLS:

- Scissors (1)
- Safety Pin (1)

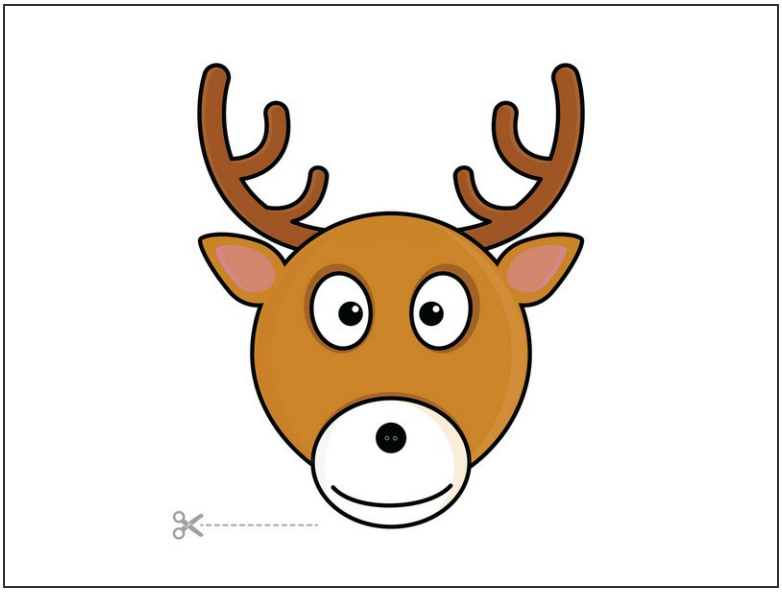
PARTS:

- Paper Circuits Kit (1)

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Step 1 — Print and Cut





- Print out the template.
- You can choose to cut out the reindeer for a cleaner look, or just leave it as-is with the instructions on the page.

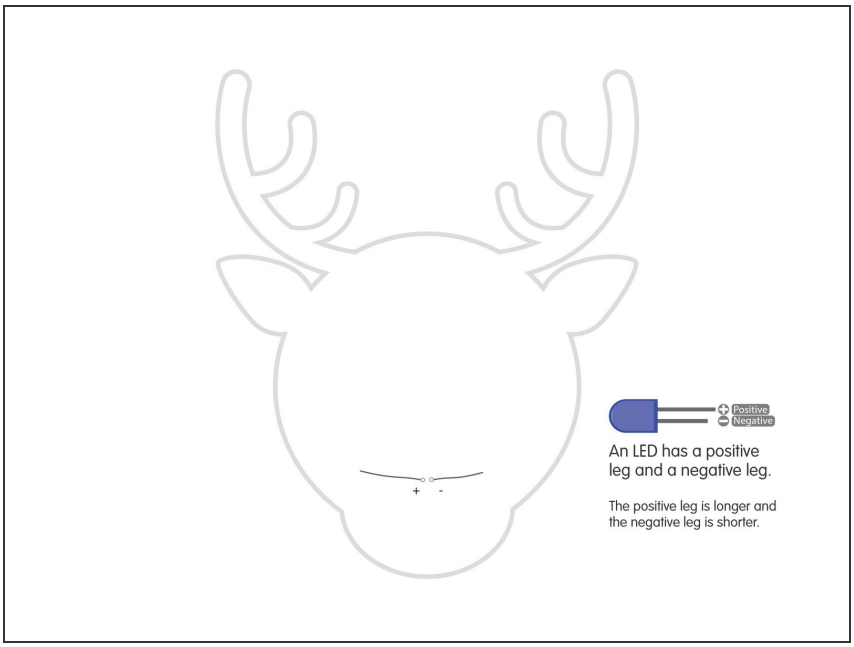
ⓘ If you use the black & white version it's best to color it before you cut it out.

ⓘ We recommend printing the file on a heavier paper like cardstock.

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

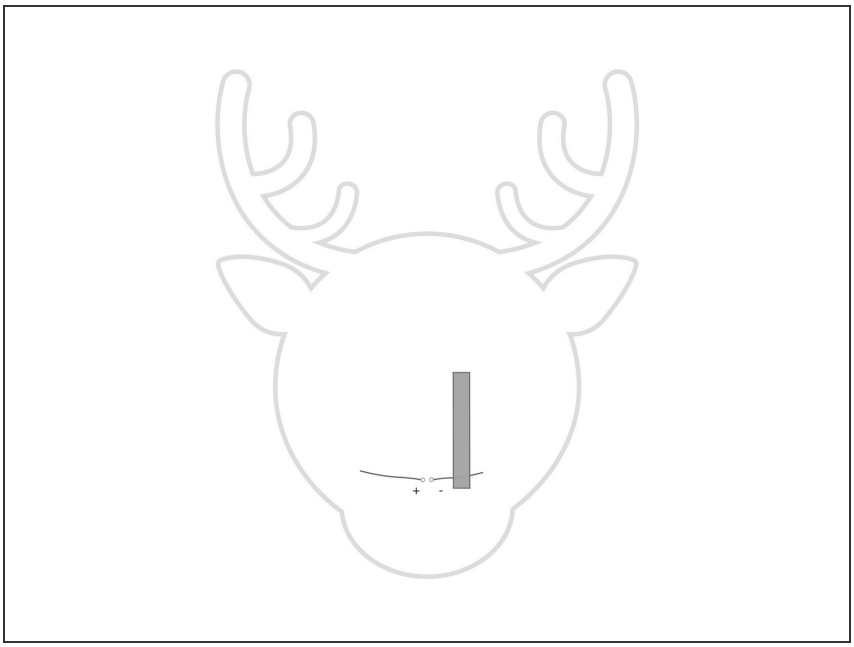
ⓘ It makes things easier if you can print double sided, but you can just print the front and use the back side as a guide to build your circuit.

Step 2 — Add LEDs



- Poke holes through the front for the LED legs. (We recommend using a safety pin, paper clip, or thumbtack.)
- Insert the LED legs through the front, making sure the negative leg is towards the negative sign marked on the printout. (The shorter LED leg is the negative one.)
- Bend the LED legs flat against the back side.

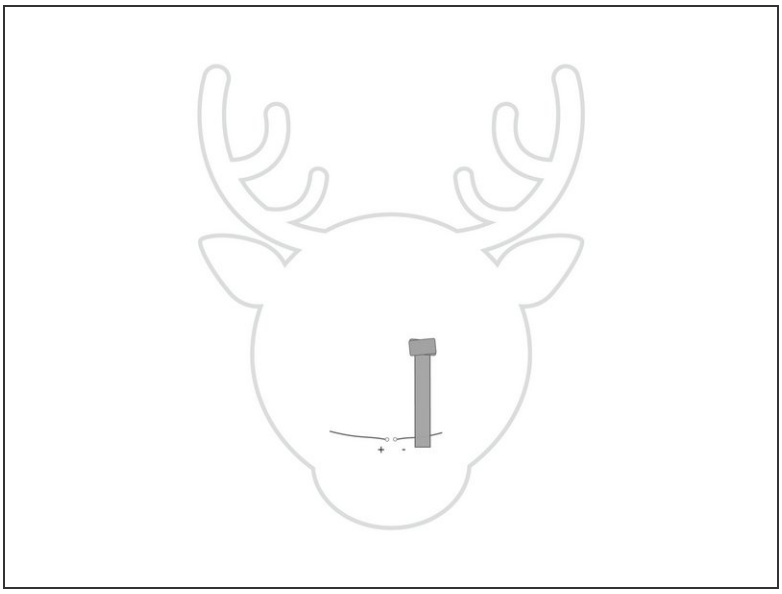
Step 3 — Add Negative Side Maker Tape

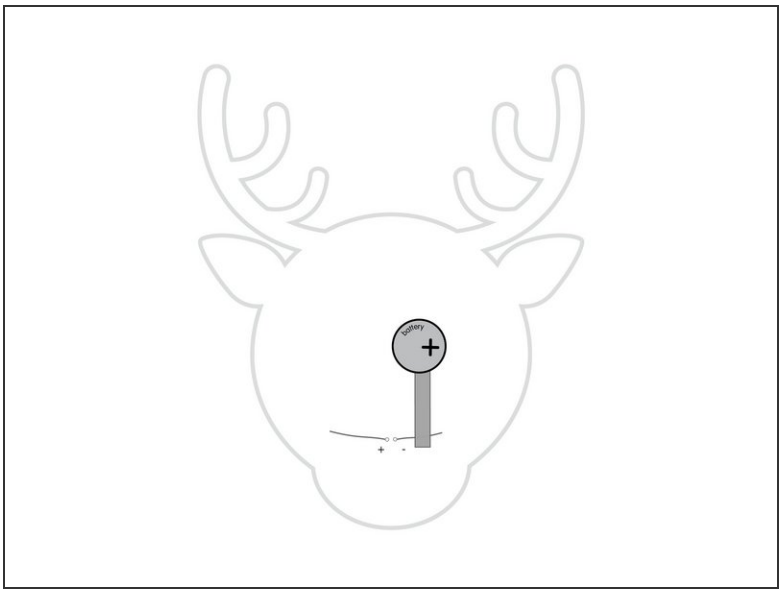


- Add the negative piece of Maker Tape to the LED leg. (This will connect the negative leg to the negative side of the battery.)

ⓘ If you need to use more than one piece of Maker Tape to connect things that's fine. You can overlap Maker Tape and it will still work because it's conductive on both sides and all the way through.

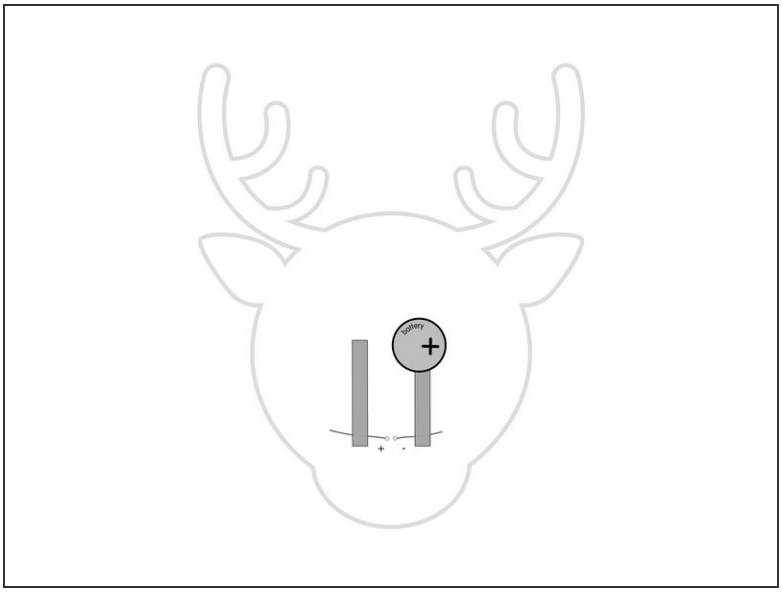
Step 4 — Add the Tape Loop and Battery

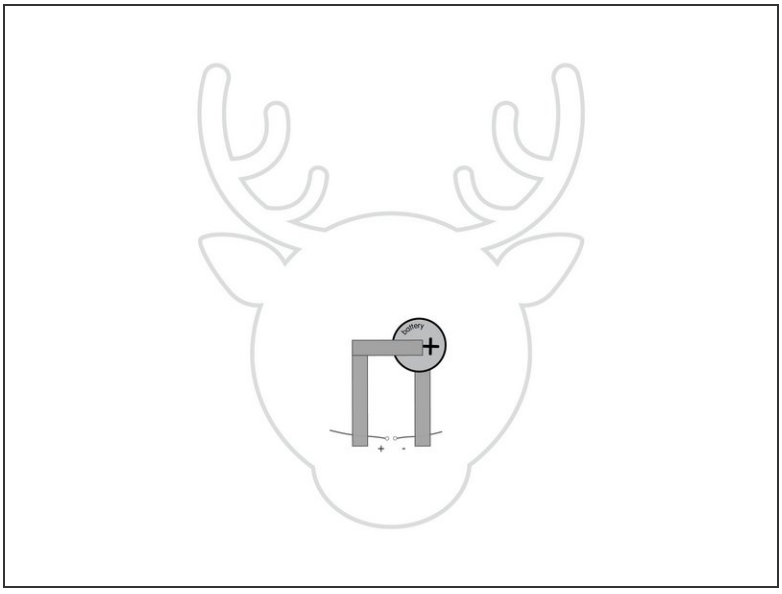




- Add a tape loop to the negative piece of tape, then stick the battery down to it. (Make sure you stick the negative side of the battery down.)

Step 5 — Add Positive Side Maker Tape





- Add additional pieces of Maker Tape to connect the positive LED leg to the top of the battery.
- Your LED should light up as soon as you connect the tape.)

Step 6 — Enjoy!





- Enjoy your paper circuit!