Customizable LED Wreaths

Learn to build an LED circuit to light up a wreath, then decorate it with your own unique style!

Written By: Natasha Dzurny



INTRODUCTION

Learn to build an LED circuit to light up a wreath, then decorate it with your own unique style!

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

TOOLS:

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

PARTS:

- Paper Circuits Kit (1)
- Cardboard (1)
- Tacky Glue (1)
- Tiny Pom-Poms (1)
- Felt (1)

Optional

- Cardstock (2)

Greens

Optional

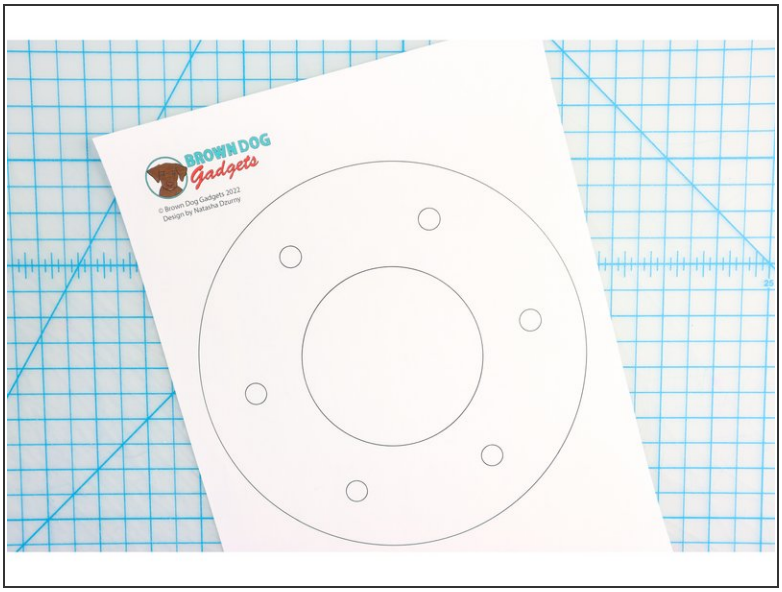
- Yarn (1)

Green

Optional

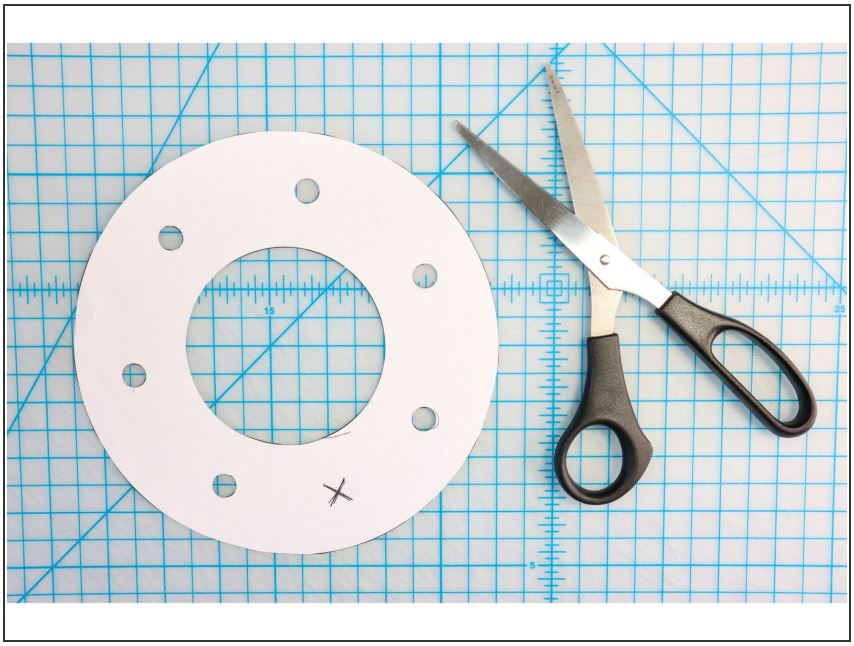
Step 1 — Prepare the Project





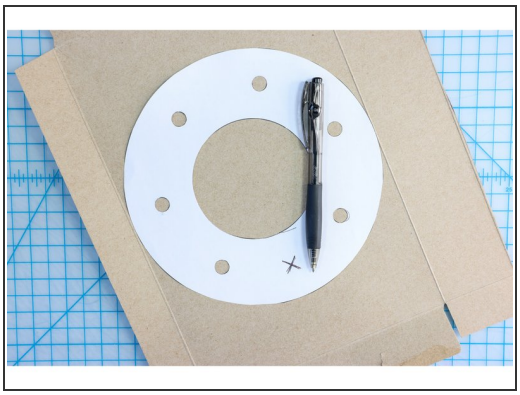
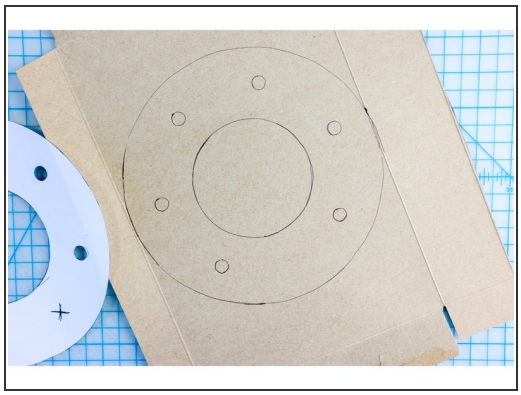
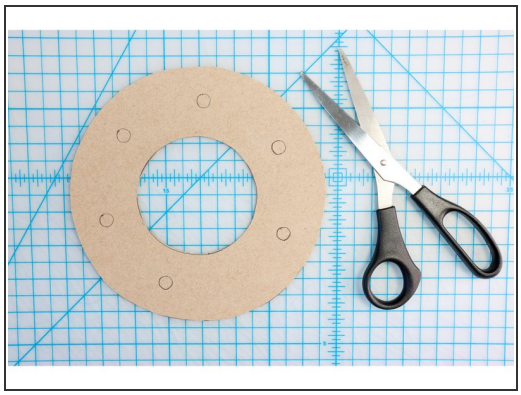
- Gather supplies.
- Print the template of your choice.

Step 2 — Cut out the Template



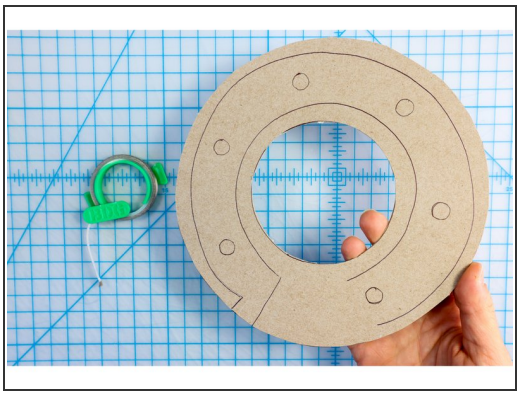
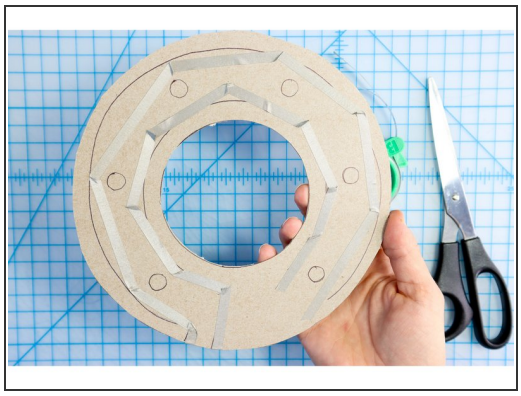
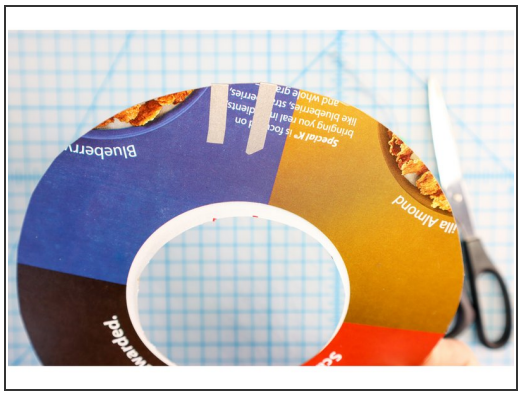
- Cut out the template. A craft knife will make cutting the small circles easier.

Step 3 — Trace the Template

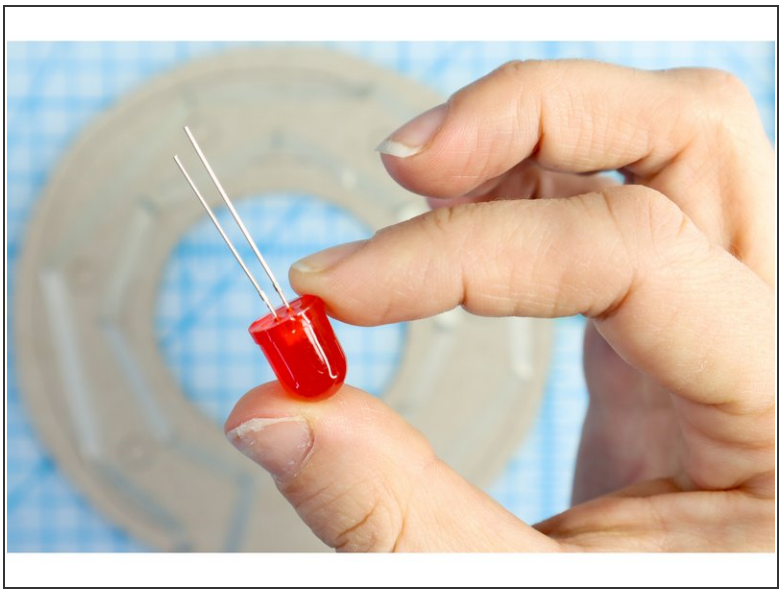
- Trace the template onto cardboard or another recycled material like this cereal box.
- Cut out the shape along the outer and inner circles.
- *Don't cut out the small circles - these are meant to mark where the LEDs will go.

Step 4 — Add Maker Tape

- Stick two paths of maker tape to the cardboard. One will start on the back and go around the outside of the LED markers. The other will start about one inch from the first (also on the back) and go around the inside of the LED markers as shown.

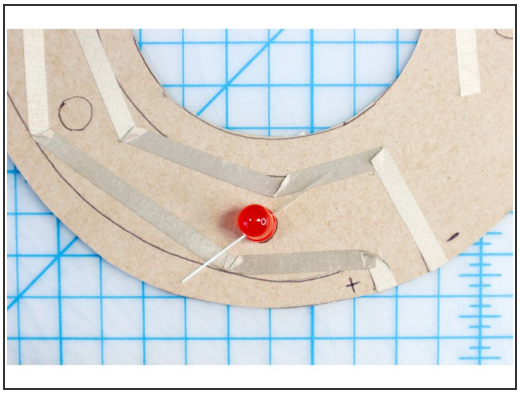
Step 5 — How to flatten the LEDs.

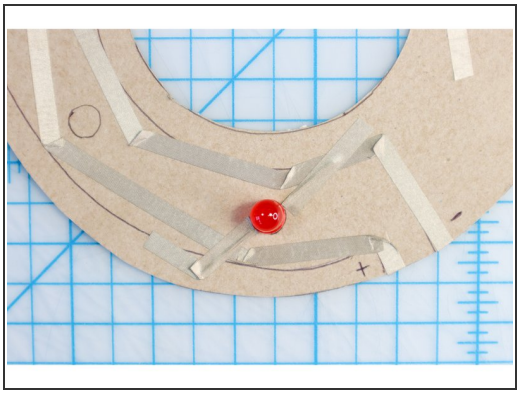




- The LEDs have a long positive leg and a short negative leg. Note which is which and bend the LED's legs flat as shown.

Step 6 — Place the LEDs



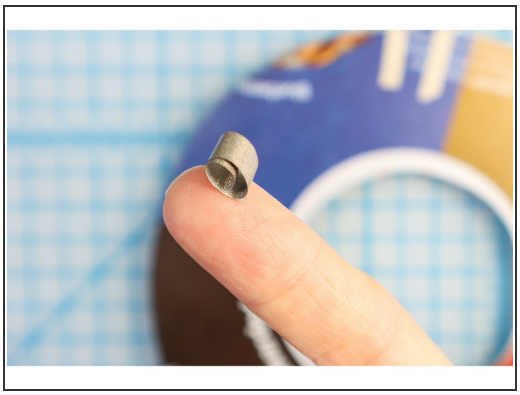




- Position the LED over the circle template with the long leg touching the outer ring of tape and the short leg touching the inner ring of tape.
- Use a few small pieces of Maker Tape to secure the LED legs in place.
- Repeat this for each LED.

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Step 7 — Add the Battery

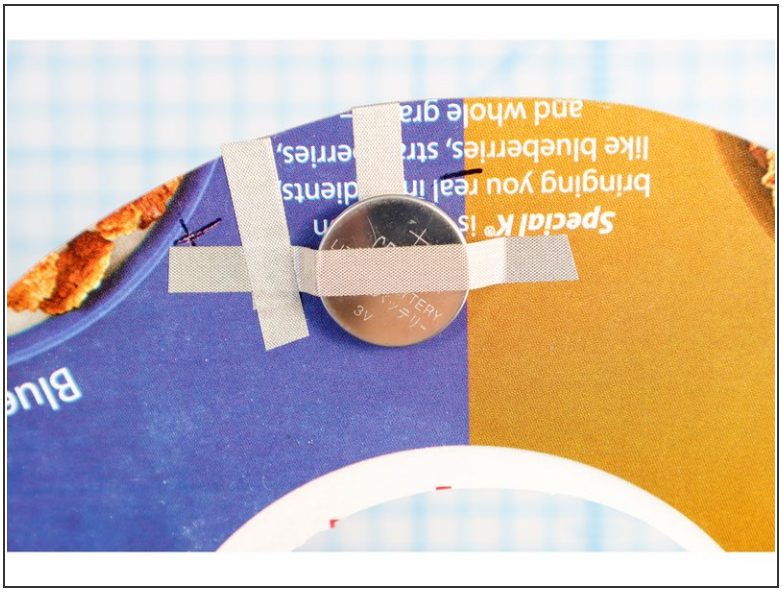


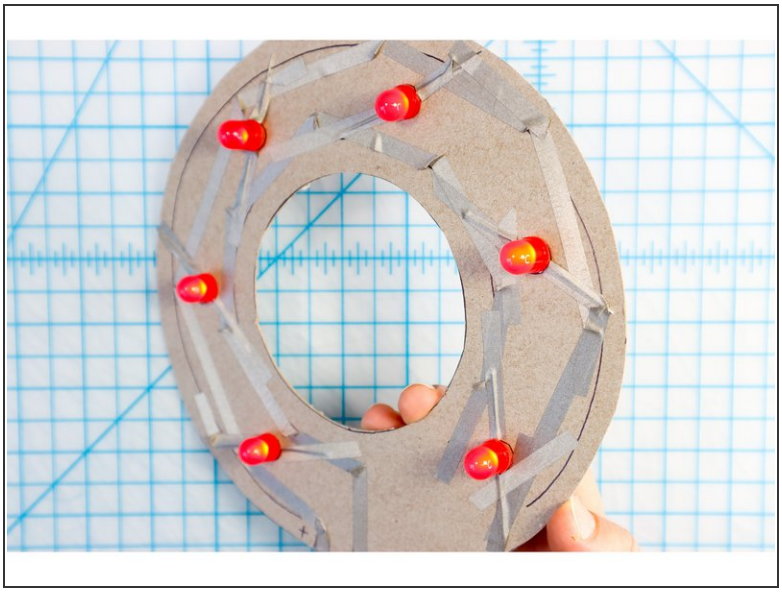




- Turn the project over to add the battery. Mark the positive and negative on the back so that you remember which is which.
- Make a loop of Maker Tape small enough to fit inside the black ring on the negative side of the battery, and stick it on. Place the ring and battery on the negative piece of tape.

Step 8 — Connect The Battery





- Place another piece of Maker Tape over the battery and touch the positive side.
- The LEDs should now be illuminated!

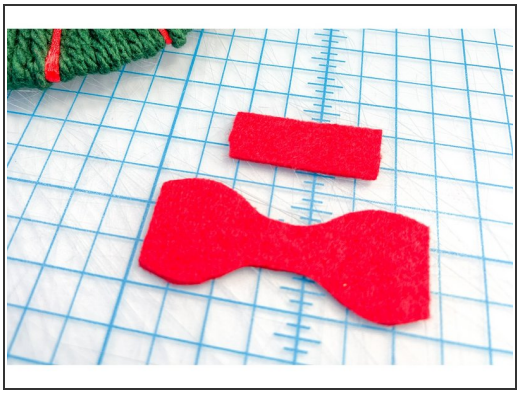
Step 9 — Decorate the Wreath: Yarn!





- Here are a few ideas that I came up with to decorate the wreath:
- My first idea was to use green yarn. I made a ball of yarn that could fit inside the center opening and wound until the entire circle was covered.
- I used a contrasting red cable to add an accent.

Step 10 — Decorate the Wreath: Yarn & Felt Bow





- Then, I used the template to make a felt bow, hot gluing it together and then gluing it to the wreath.

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Step 11 — Decorate the Wreath: Yarn and Hanger

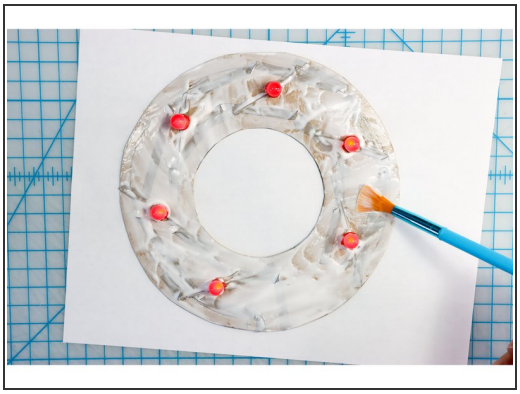




- I also used the red cable to make a hanger.

Step 12 — Decorate the Wreath: Pom-Poms!







- My second idea was to use pom-poms. I spread Tacky Glue all over the project with a paintbrush.
- Then, I hand-placed each pom-pom to make a mix of colors.

Step 13 — Decorate the Wreath: Pom-Poms & Bow

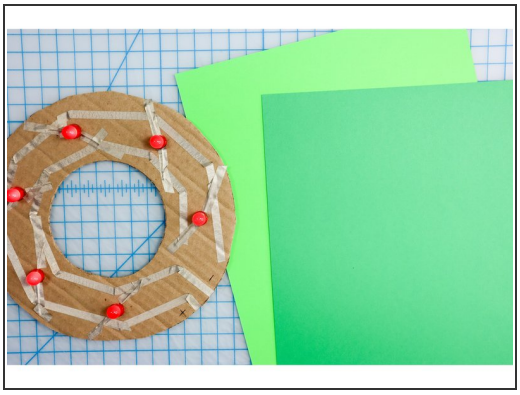


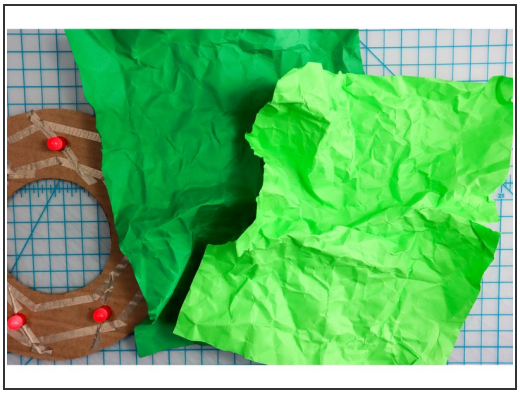


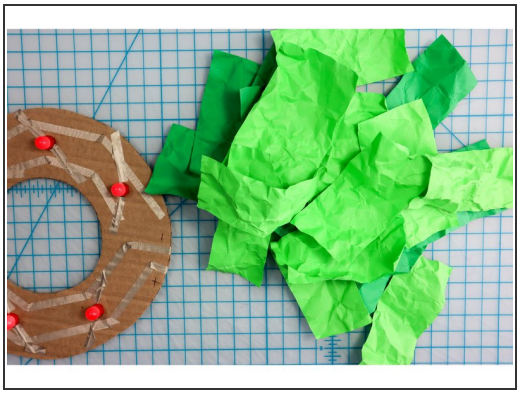


- I added a bow that I reused from a candy package.
- I glued a white ribbon to the top to make a hanger.

Step 14 — Decorate the Wreath: Paper!







- My third idea was to use crumpled up paper.
- I used 60 lb green cardstock and crumpled it up.
- Then, I cut it into rectangles.

Step 15 — Decorate the Wreath: Paper Crumples!





- I glued the crumpled rectangles in place all around the wreath, alternating between shades of green.

Step 16 — Decorate the Wreath: Paper & Paper Bow





- I used the bow template to cut a paper bow and glued it in place.

Step 17 — Decorate the Wreath: Paper Hanger







- I used a strip of paper as a hanger.
- That’s just three of infinate ways to finish this project. I hope you enjoy customizing your own and that you’ll share it with us and others to inspire them with your creation.
- I hope you enjoyed this project and have a very happy holiday!

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