Light-Up Xmas Tree Hat

Make a Light-Up Xmas Tree Hat.

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INTRODUCTION

Make a hat that lights up when you put it on!

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)
- Markers, Crayons, or Colored Pencils (1)
- Printer (1)

PARTS:

- Paper Circuits Kit (1)
- Cardstock (1)
- Craft Foam (1)

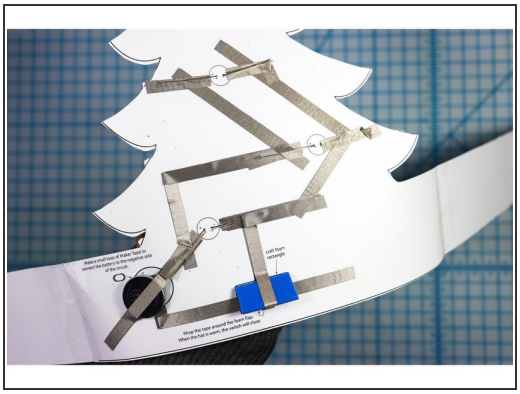
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Step 1 — Print and Color the Template

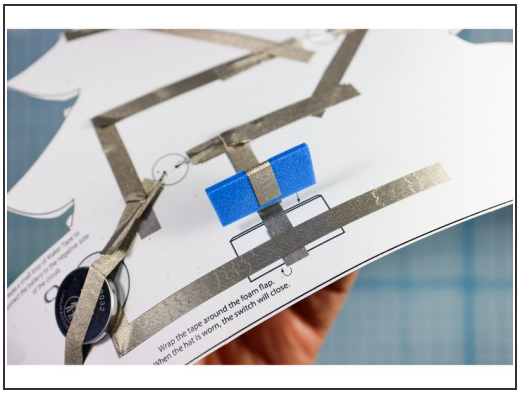


- Print the template double-sided so that the circuit prints on the back of the design.
- If you choose the blank design, color it with crayons or markers.
- Cut out the design.

Step 2 — Create the Circuit

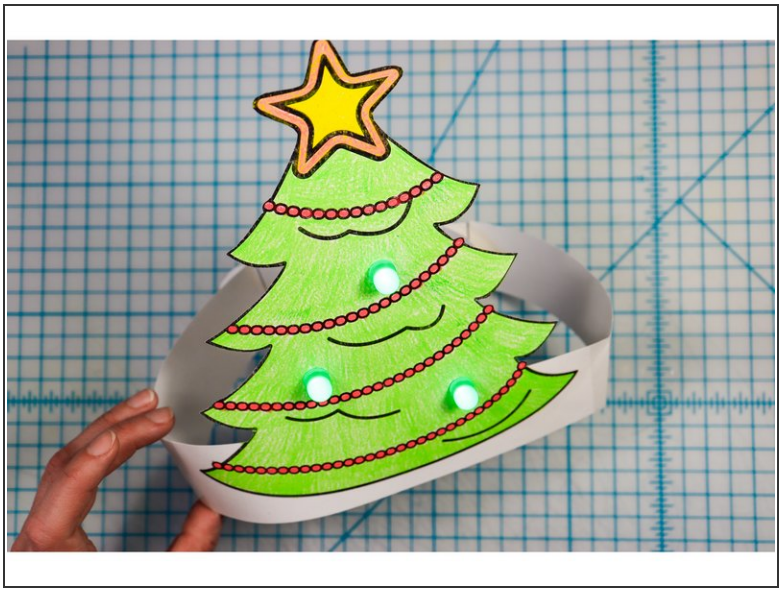


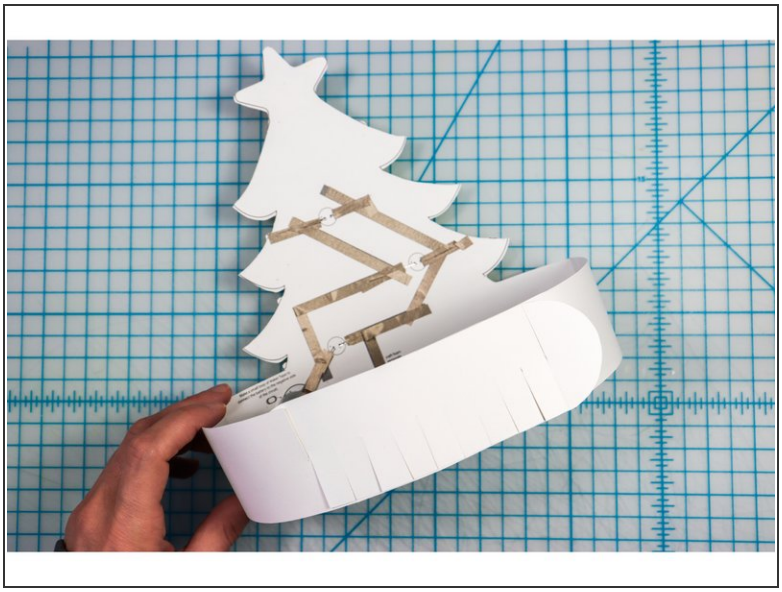




- Push the LED(s) legs through the project from the front, making sure the long leg goes through the “+” hole and the short leg goes through the “-“ hole. Fold the legs as shown on the template.
- Follow the instructions on the template to cover the lines with Maker Tape.
- Before placing the battery, add a small loop of Maker Tape as shown.
- Wrap the Maker Tape around a foam rectangle. When the hat is worn, the switch will close and the LED will turn on!

Step 3 — Add the Hat Band





- Cut out the side strips and tape them to the hat with the slits facing up on one side and down on the other.
- Interlock the slits in two places to create the size that works for your head.
- Wear the hat and enjoy!