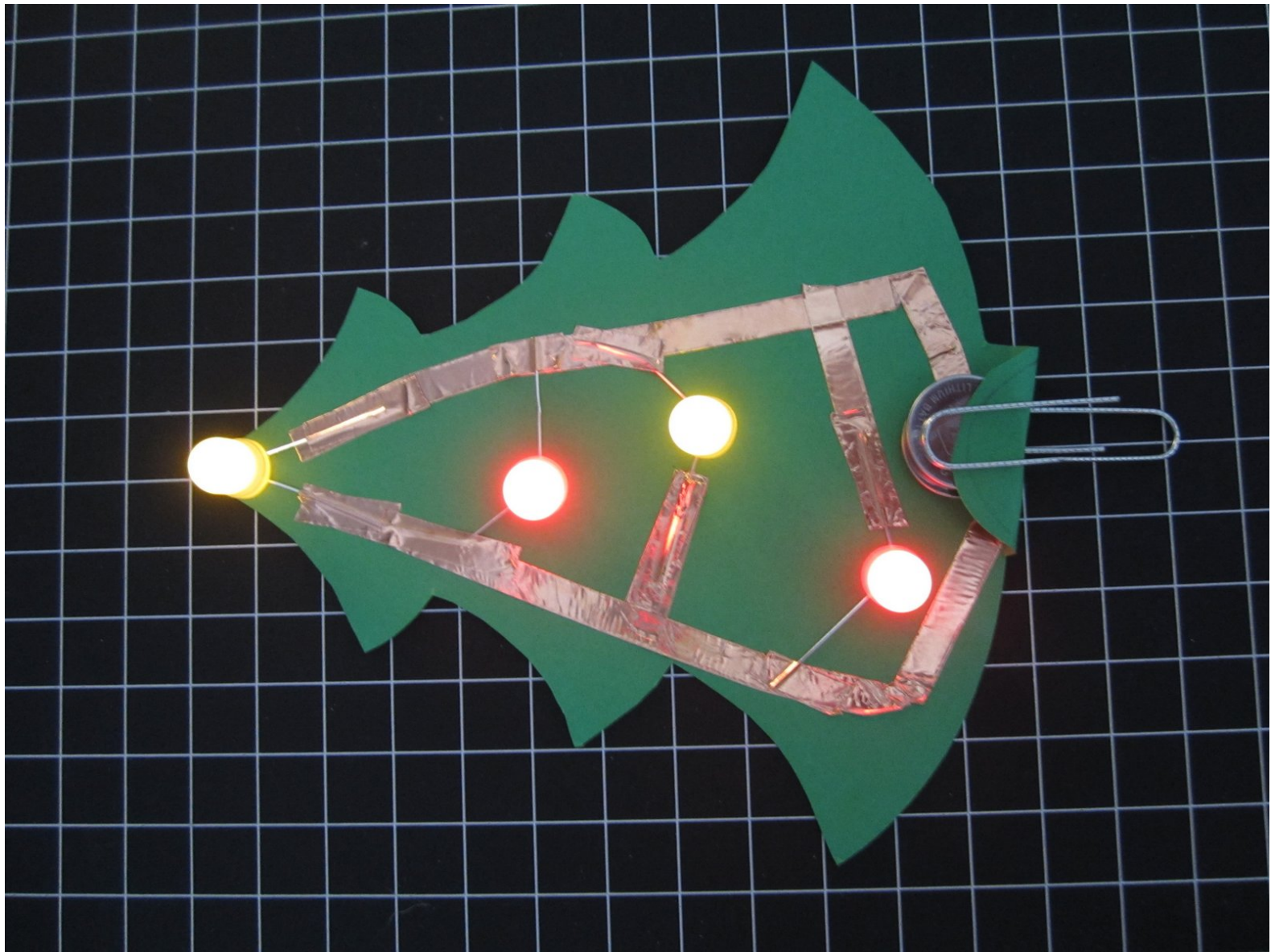




Christmas tree

Create your very own paper craft light up Christmas Tree.

Written By: Joshua



INTRODUCTION

Create your own light up Christmas Tree using conductive tape and LEDs. Best part is, you'll never need to water it.



TOOLS:

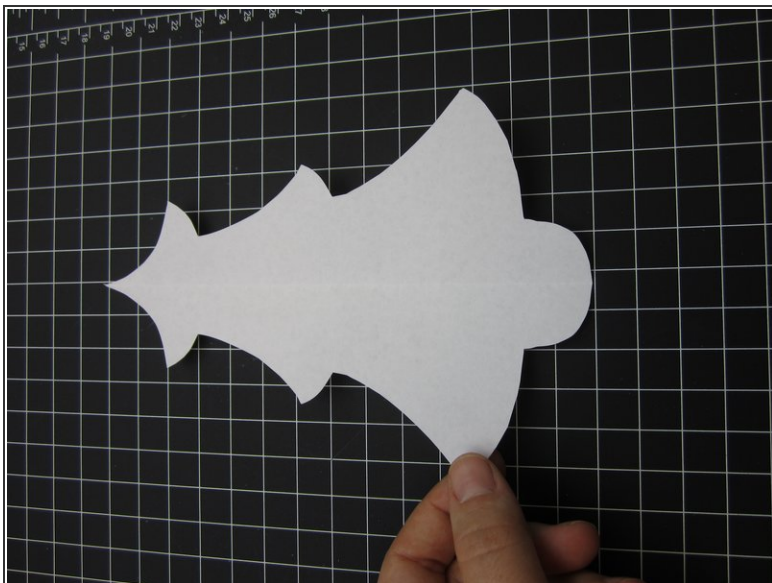
- [Scissors](#) (1)
- [Clear Tape](#) (1)



PARTS:

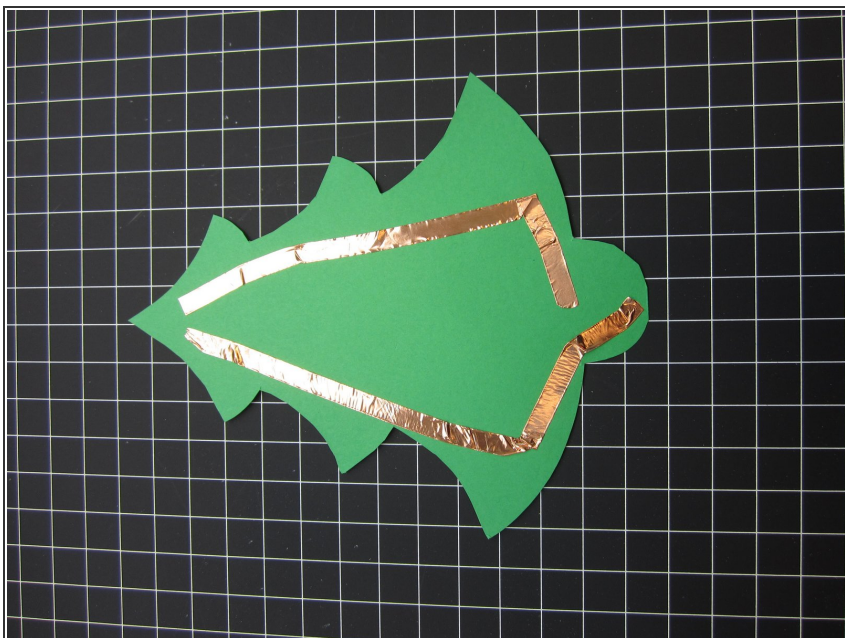
- [Paper Circuits Kit](#) (1)

Step 1 — Cut Out the Body



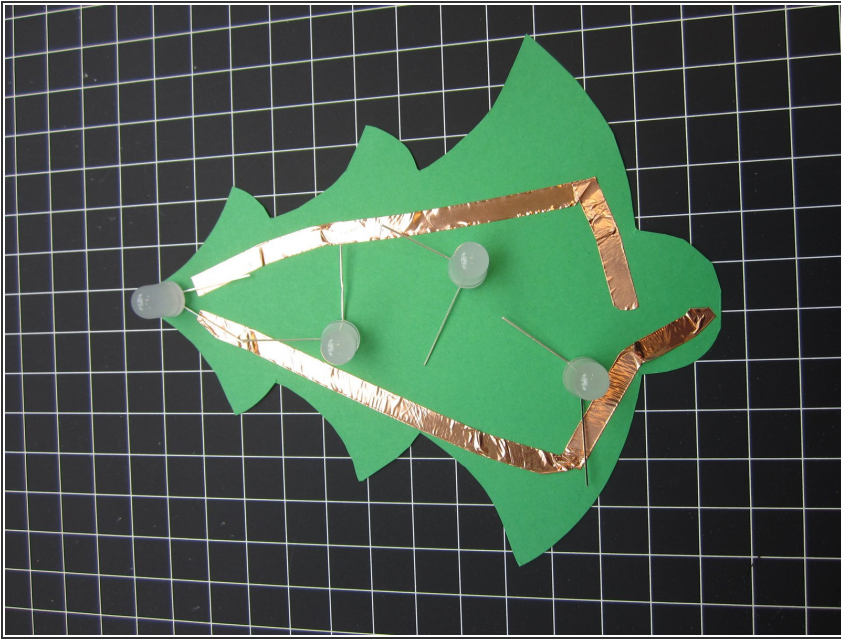
- Print off the template, trace it, and cut out your tree.
- If you plan on freehand cutting your body, be sure to read all the directions first. Pay special attention to how we create the battery holder.

Step 2 — Apply The Tape



- Apply the tape as shown.
- Don't let the two lines of tape touch.
- When making the small offshoot bits of tape, press down firmly on the overlapping parts. This will help the connection.

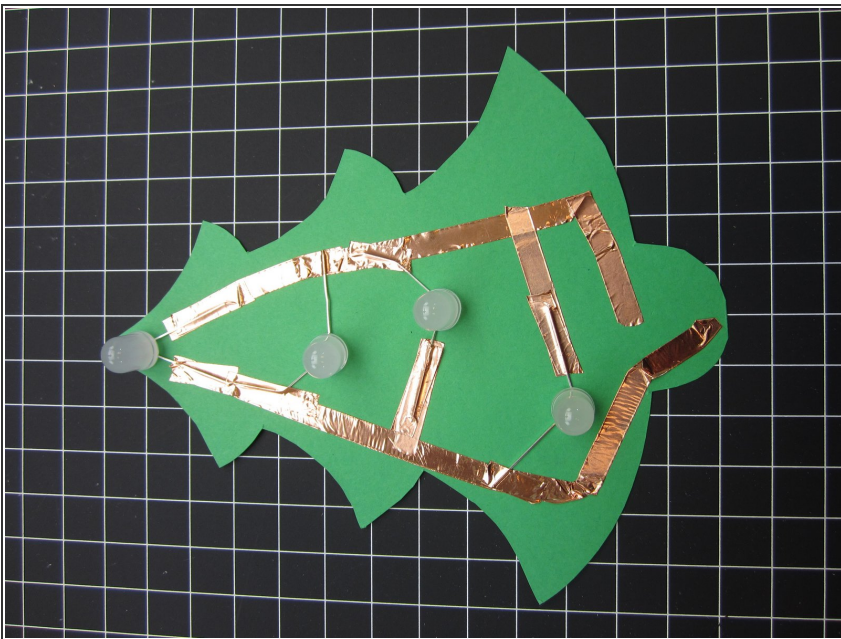
Step 3 — Lay Out The LEDs



⚠ On LEDs your long leg is Positive and short leg is Negative. For this project we want all Long Legs pointing left and all Short Legs pointing to the right.

- Lay out your LEDs.

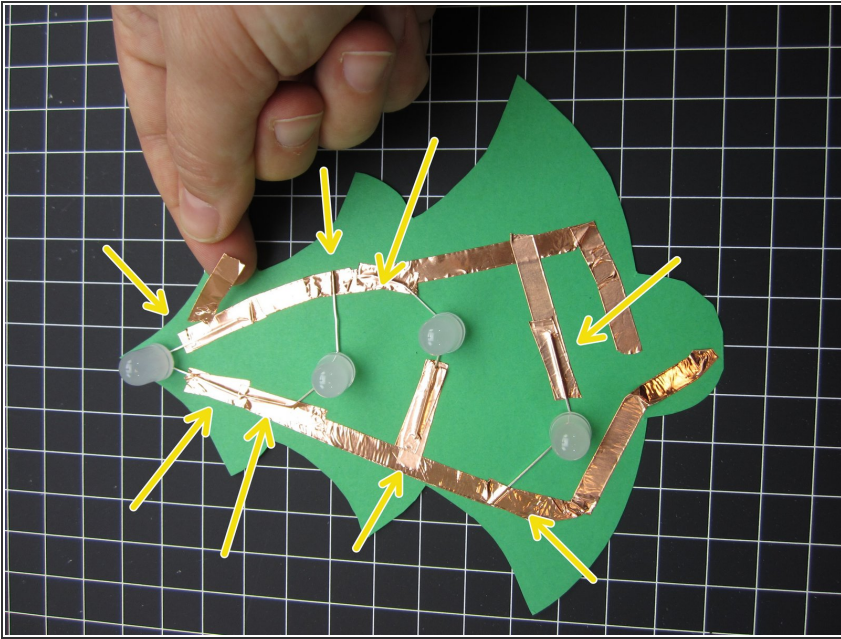
Step 4 — Create Offshoots



- Add additional tape in order to connect the LEDs.

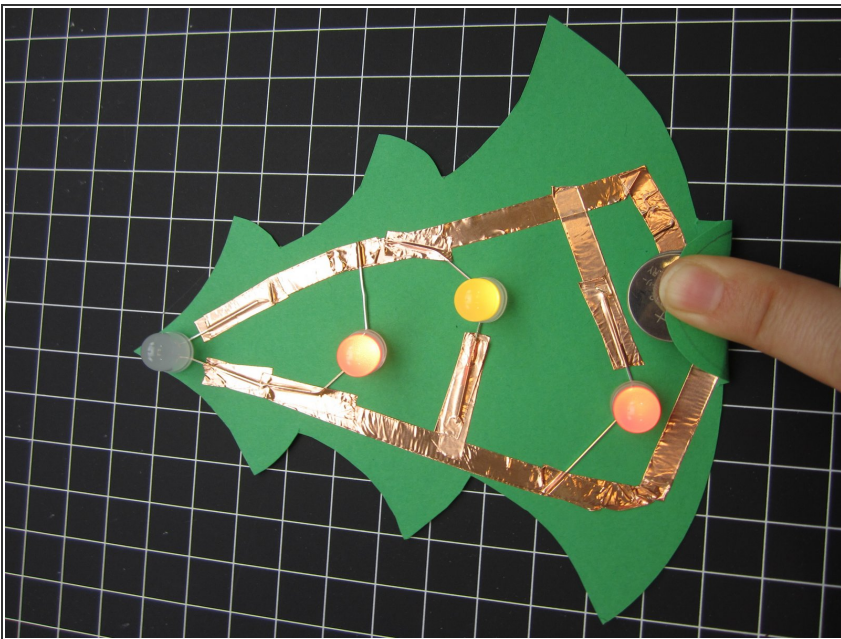
⚠ Do not connect the Positive and Negative tape lines.

Step 5 — Tape Down LED Legs



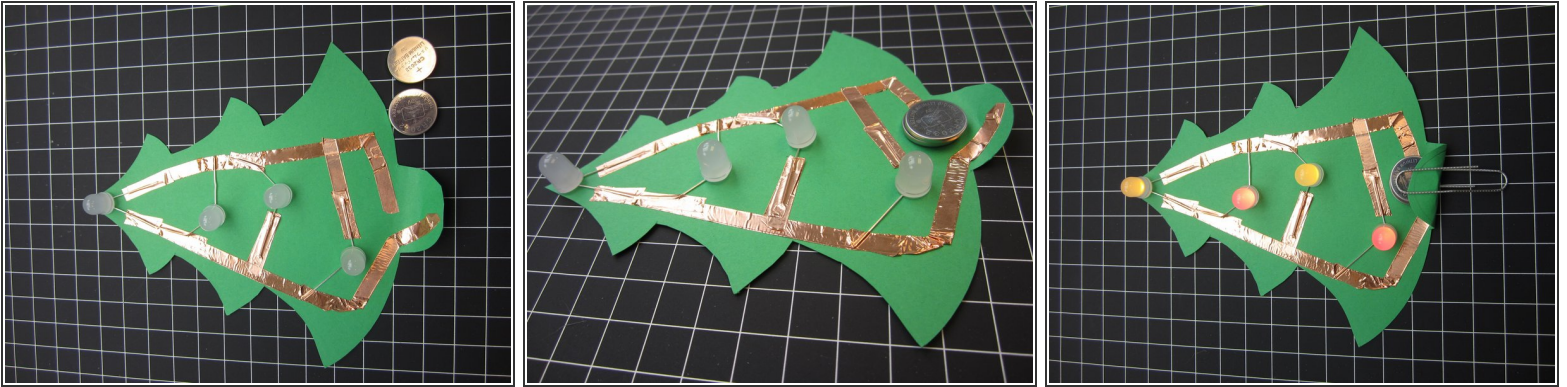
- Position your LED legs over each of the lines of tape.
- Use a small piece of Conductive Tape to tape down each of the legs.
- Do this to all LED legs.

Step 6 — Test with a Battery



- Place a battery so that bottom (Negative) side is over the two Negative lines of tape. (Top side)
- Fold down the bulb on the back so that the two Positive lines of tape make contact with the top of the battery.
- All LEDs should turn on.
- ❗ When in doubt, flip the battery over and try again. This solves 90% of all building errors.

Step 7 — Double Batteries?



- If your LEDs are weak, or not all are lighting up, you can try using two batteries.
- Layer the batteries on top of each other. Fold over the flap. Hold together with a binder clip.