Christmas tree

Create your very own paper craft light up Christmas Tree.

Written By: Joshua

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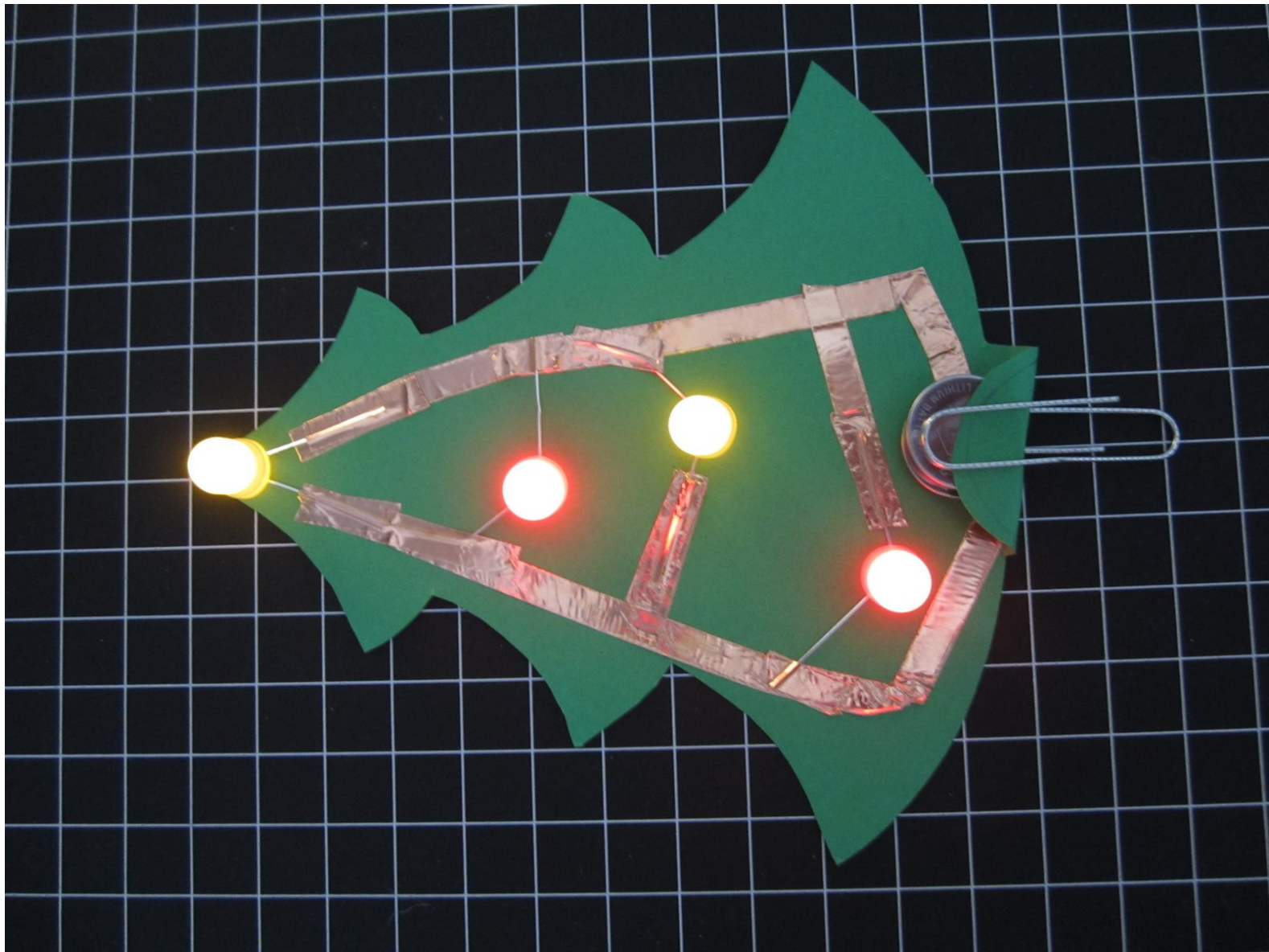
INTRODUCTION

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

TOOLS:
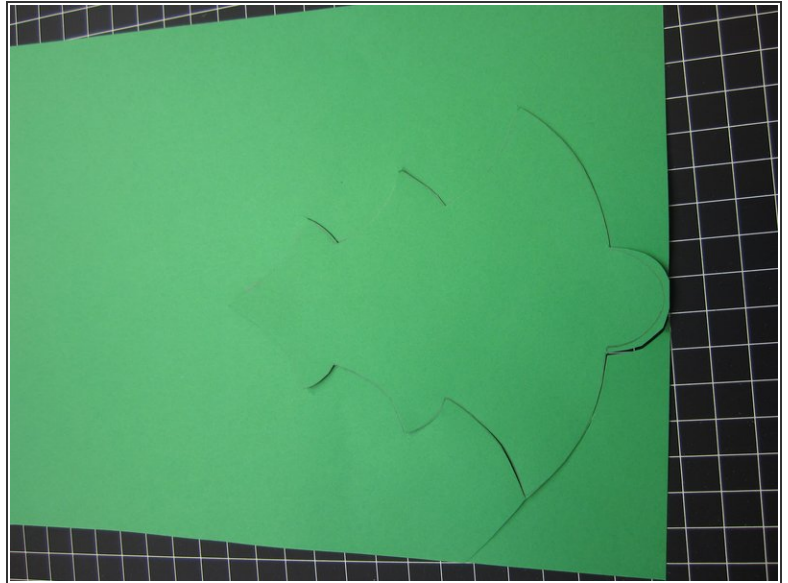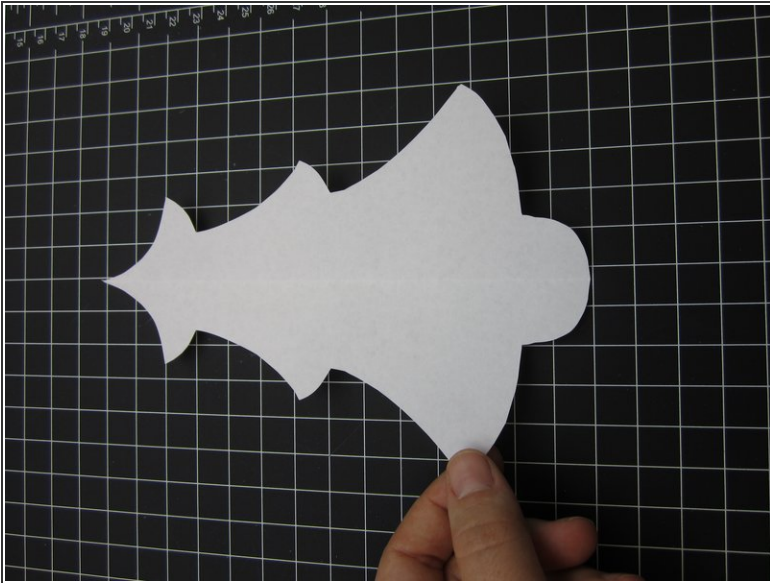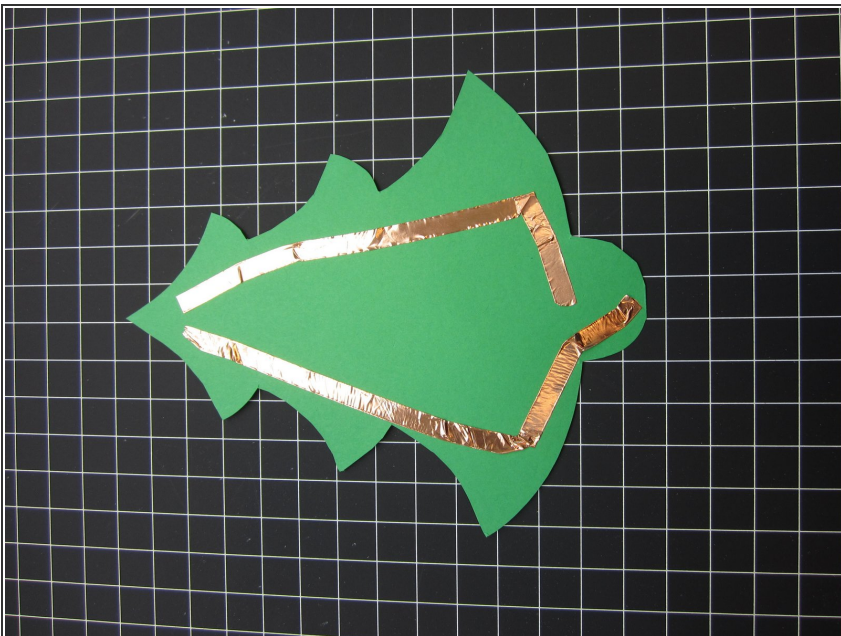- Scissors (1)
- Clear Tape (1)

PARTS:
- Paper Circuits Kit (1)

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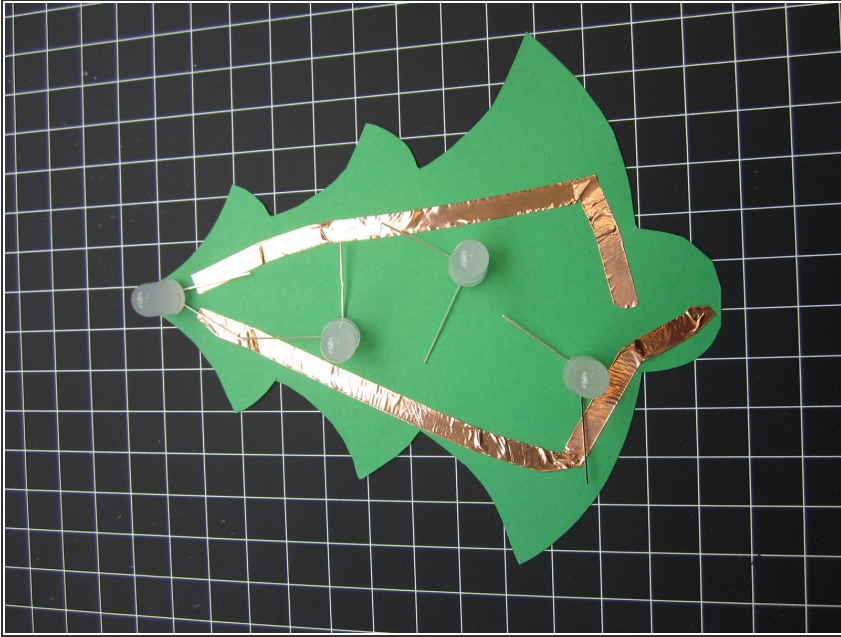
Step 1 — Cut Out the Body

- 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.

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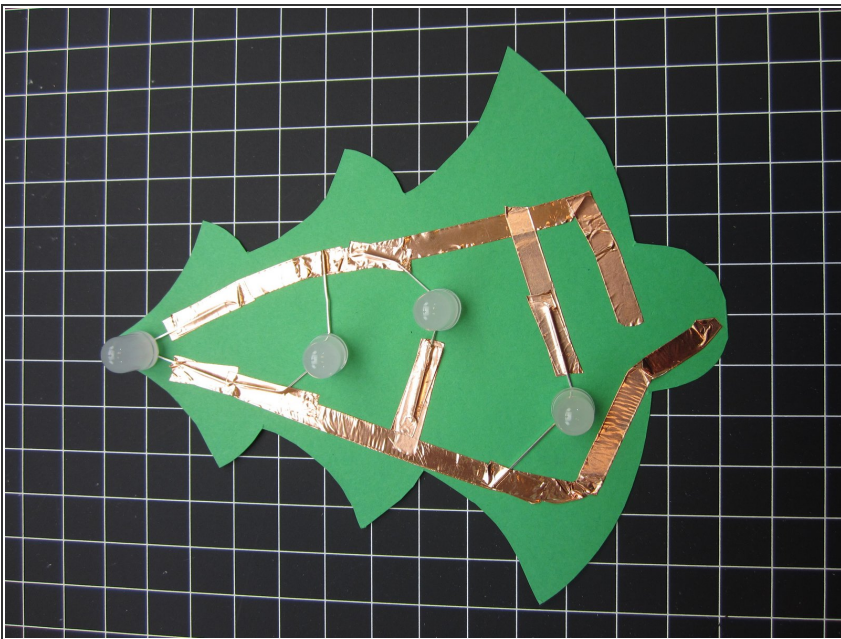
Step 3 — Lay Out The LEDs

⚠ 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.
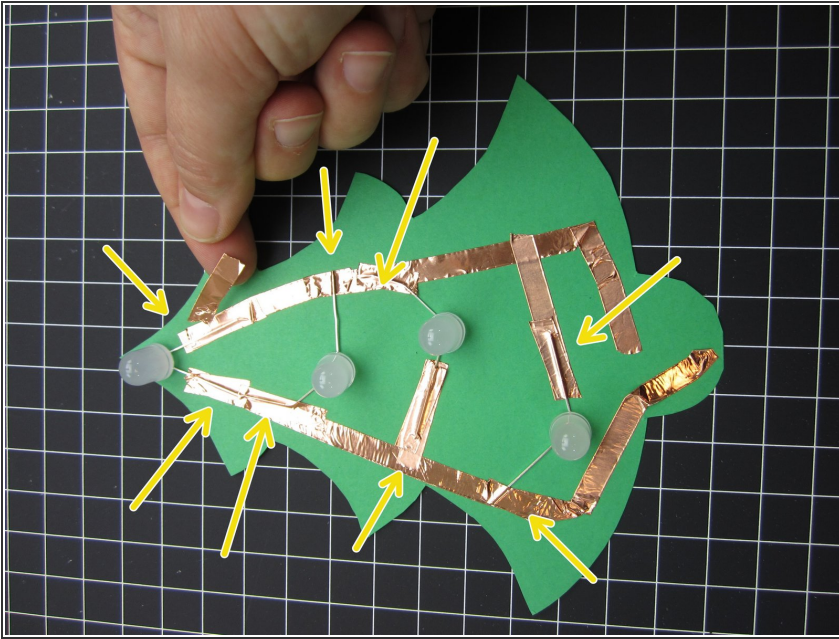
● Lay out your LEDs.

Step 4 — Create Offshoots

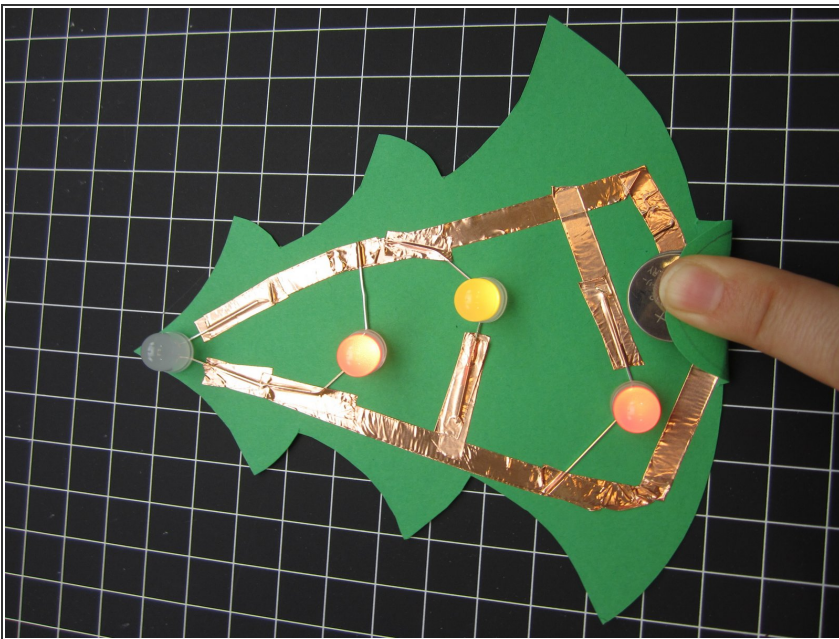● Add additional tape in order to connect the LEDs.

⚠ Do not connect the Positive and Negative tape lines.
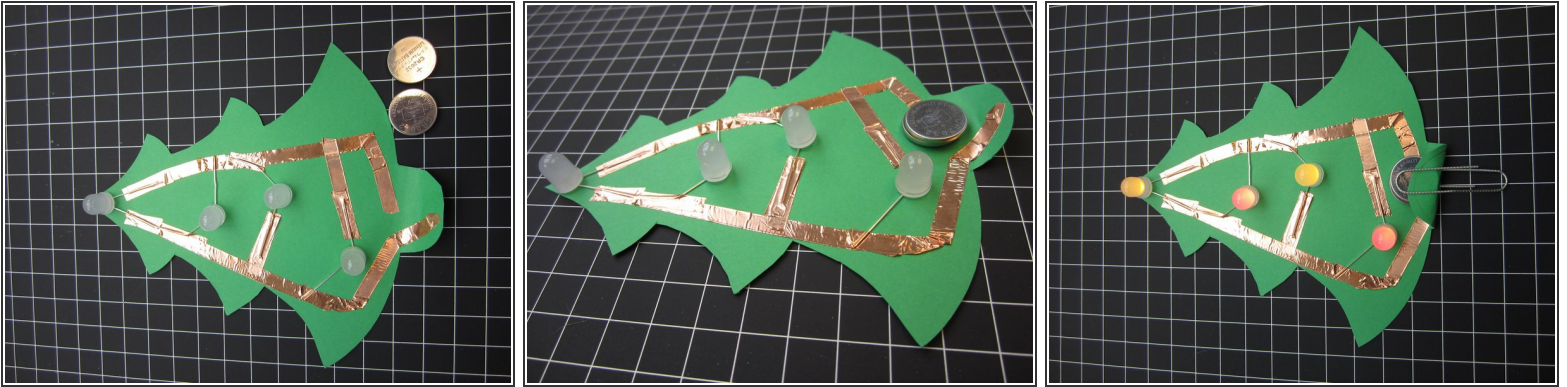
Step 5 — Tape Down LED Legs

- 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.

- (i) When in doubt, flip the battery over and try again. This solves 90% of all building errors.

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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.

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