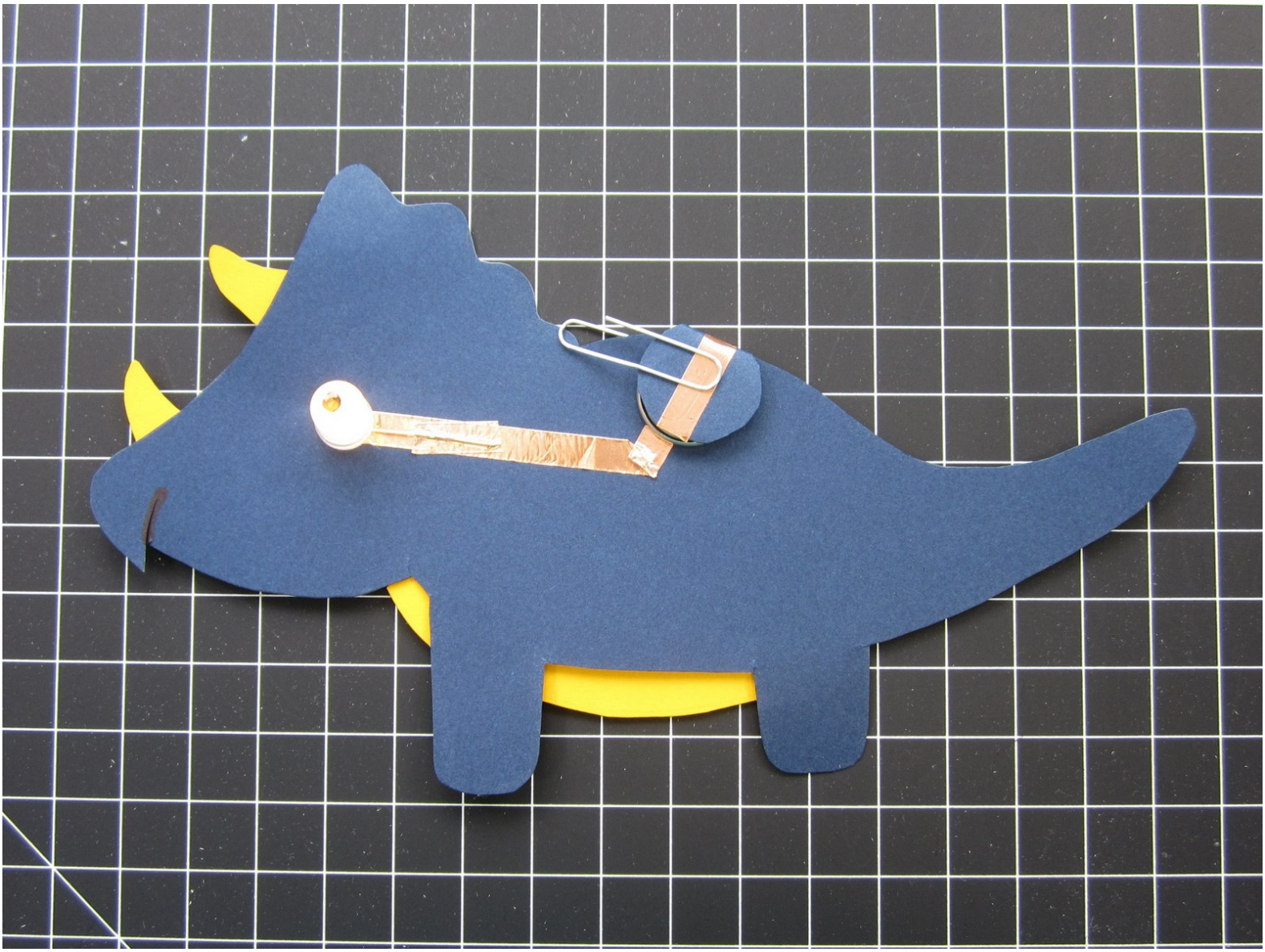
Triceratops

Create your very own paper craft dinosaur using conductive tape and LEDs.

Written By: Joshua



INTRODUCTION

The Triceratops is known for his three horns, but this one is known for lighting up a party! Create your own light up dino using paper crafts.

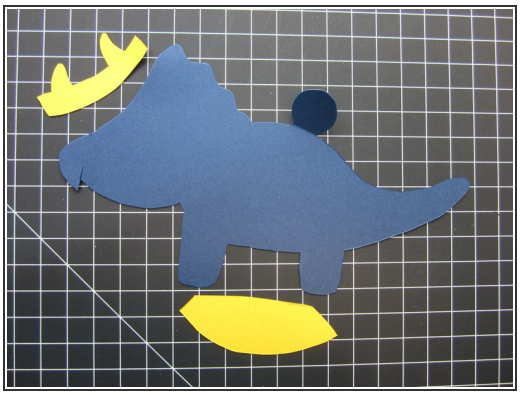
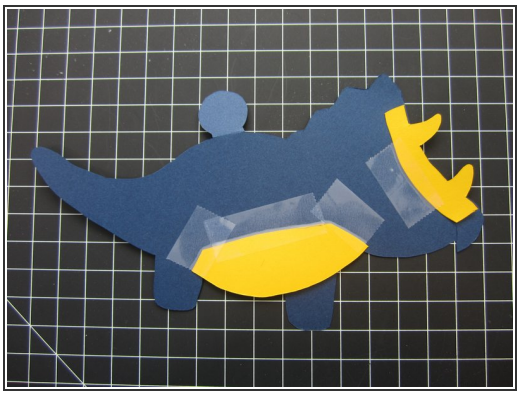
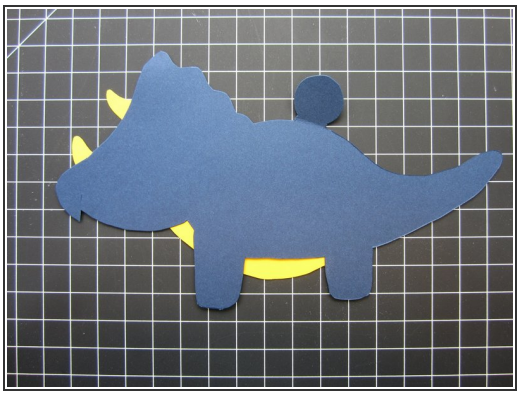
TOOLS:

- Scissors (1)
- Clear Tape (1)

PARTS:

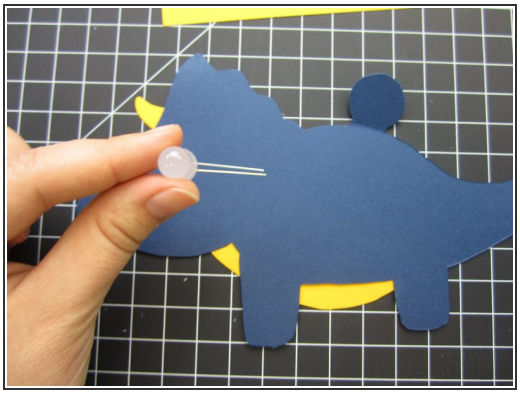
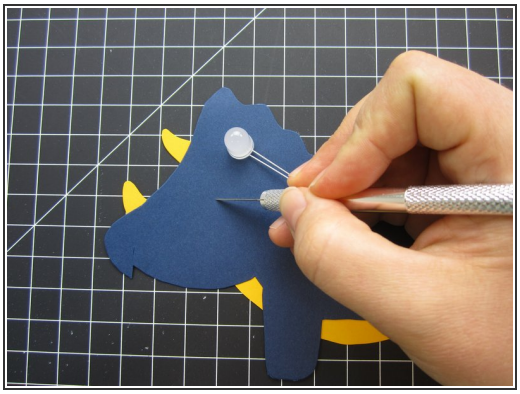
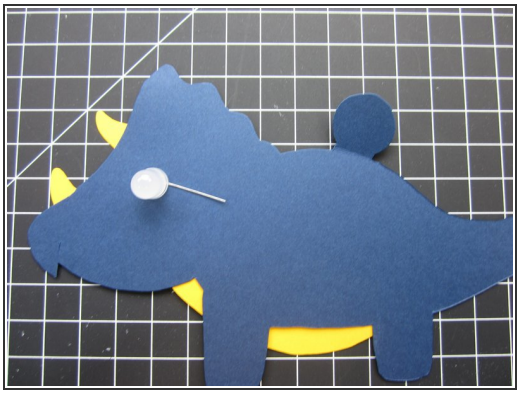
- Paper Circuits Kit (1)

Step 1 — Cut Out the Body

- Print off the template, trace it, and cut out your Triceratops body parts.
- 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.

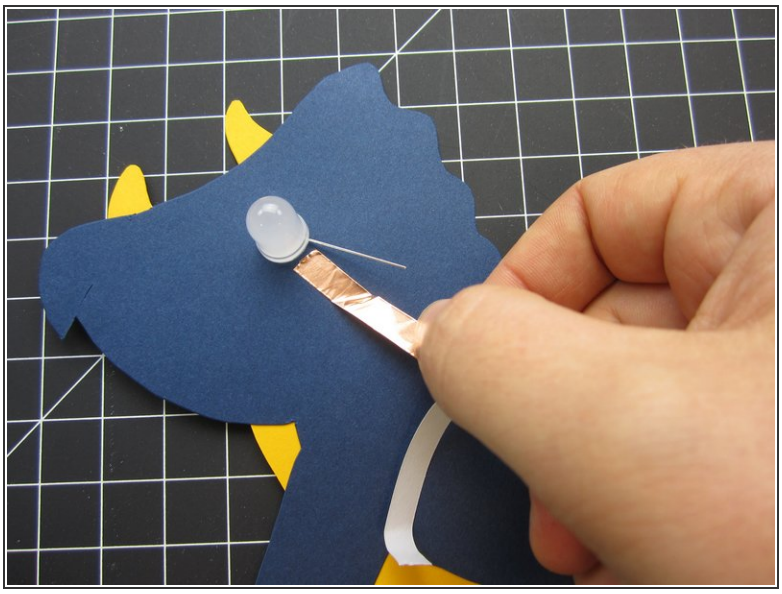
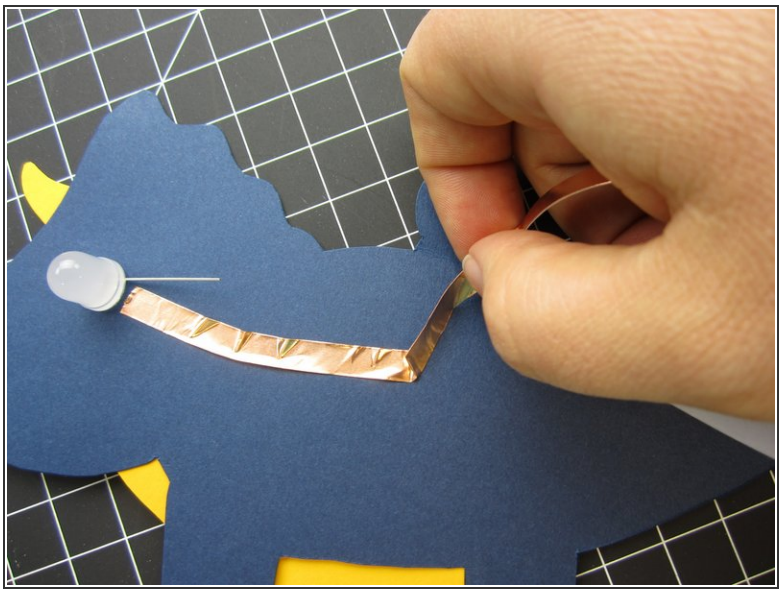
Step 2 — Add the LED

The long leg of an LED is Positive, and the short leg is Negative. For this project the Positive legs go on the bottom, and the Negative legs go on the top.

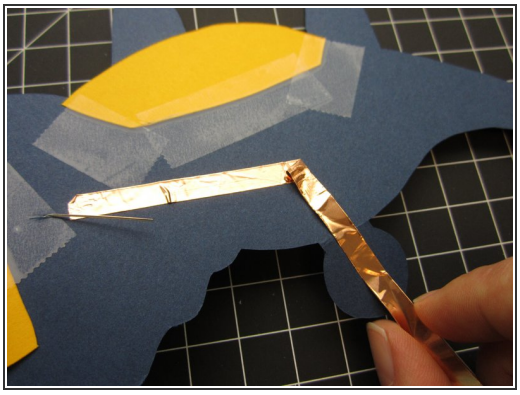
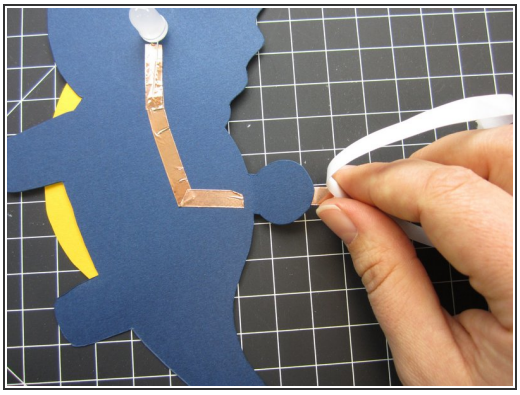
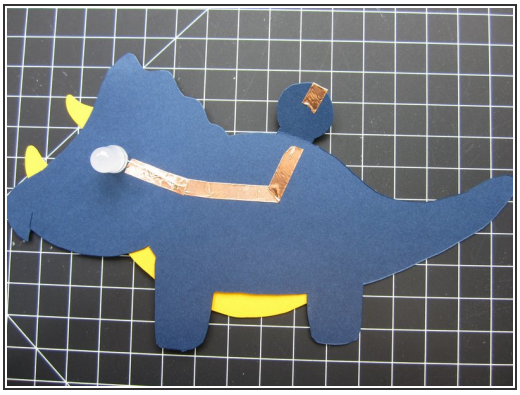
- Bend both LED legs 90 degrees.
- Stick the long Positive leg through the paper. It may help to cut a small slit in the paper.

Step 3 — Add the Negative Tape

- Run a piece of tape along the top of your project.

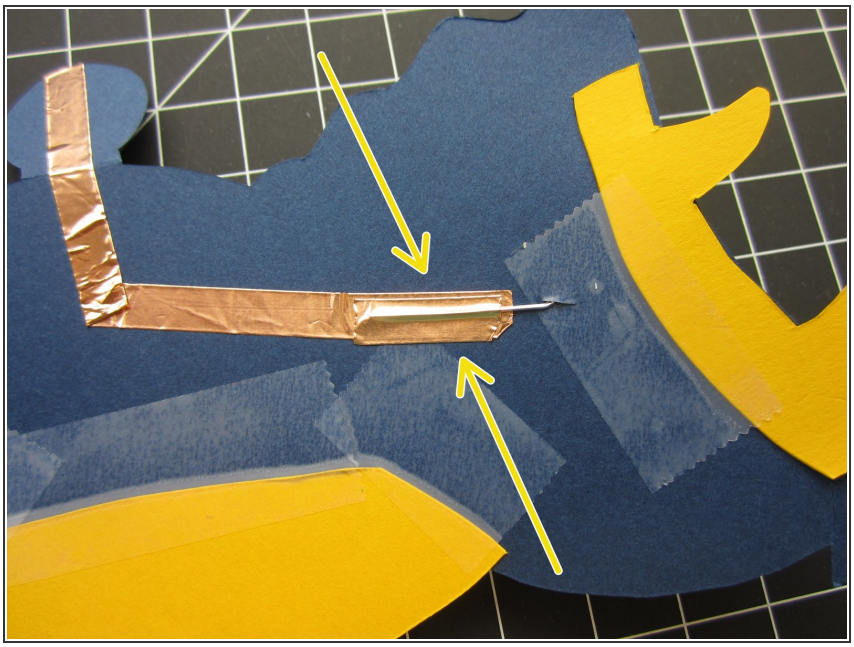
Step 4 — Add the Positive Tape

- Run a line of tape from the Positive LED legs back round to the front.

⚠ 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 both LED Legs.

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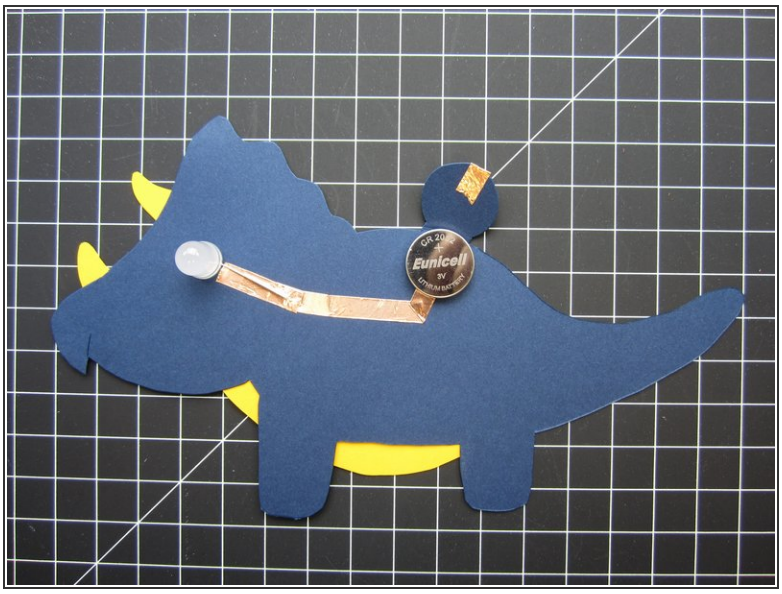
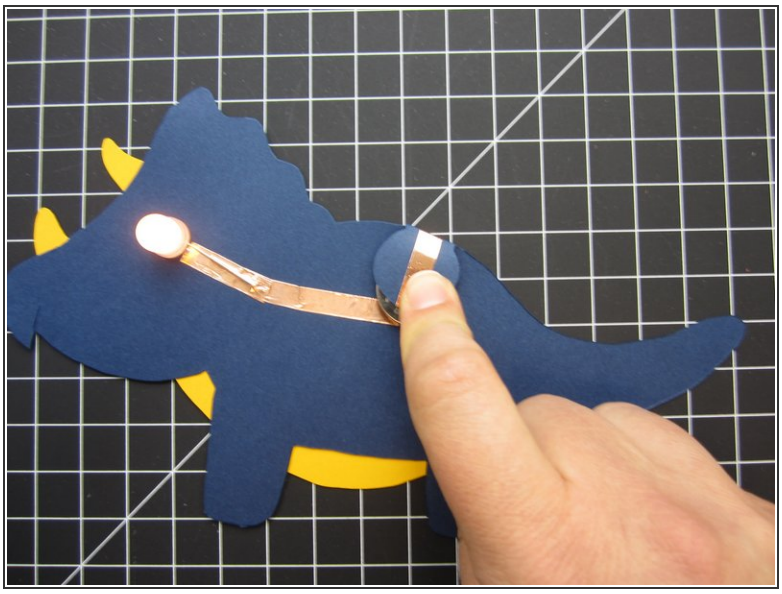
Step 6 — Test with a Battery

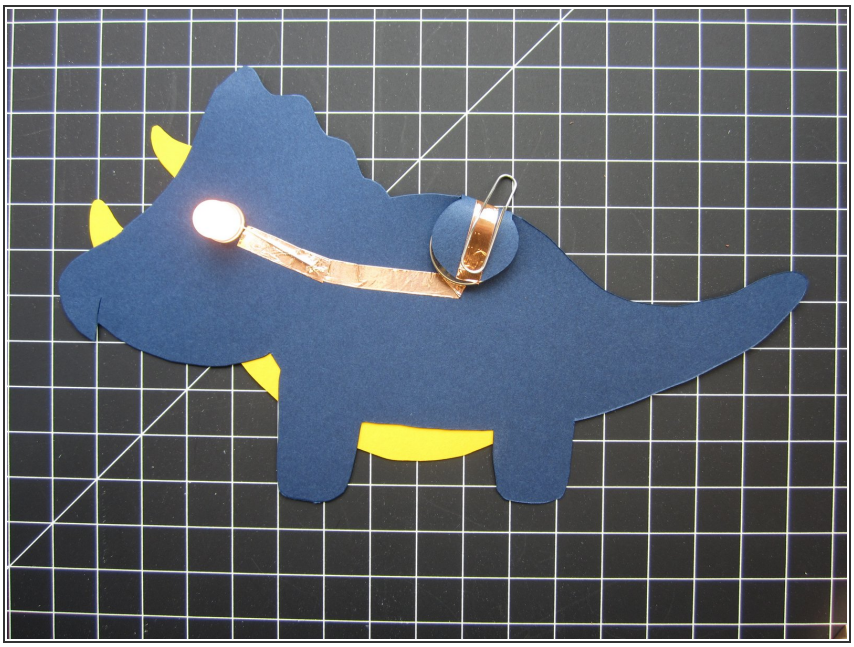




- Place a battery so that bottom (Negative) side is over the Negative line of tape. (Top side)
- Fold down the bulb on the back so that the Positive line of tape make contact with the top of the battery.
- The LED should turn on.

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

Step 7 — Add a Binder or Paper Clip



- Use a binder clip or paper clip to hold the battery holder together.
- To "Turn Off" the project, just remove the clip.

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