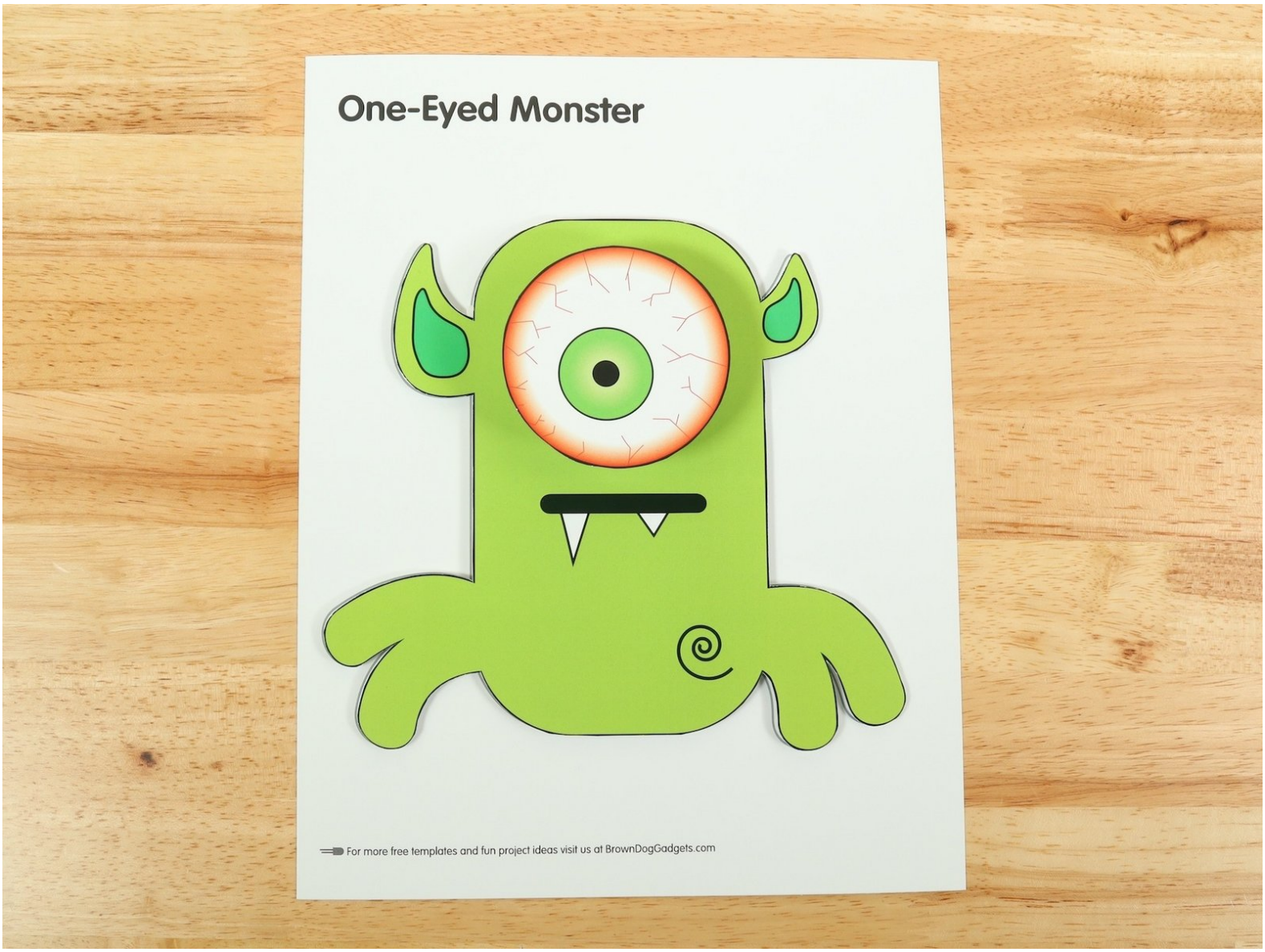
One Eyed Monster

Create this one eyed monster and make his eye spin!

Written By: Amanda Etim



This document was generated on 2026-01-25 01:45:00 PM (MST).

INTRODUCTION

Create this one eyed monster and make his eye spin!

This can be created with our **Paper Circuits Kit** and a barrel motor!

TOOLS:

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

Optional

PARTS:

- Paper Circuits Kit (1)
- Vibrating Bristlebot Motor (1)
- Foam Mounting Tape (1)

© 2026

Step 1 — Printing Your Template

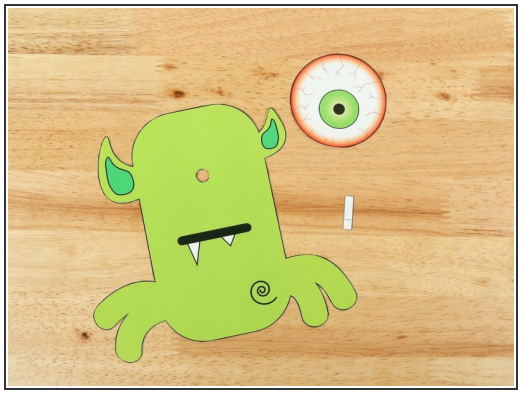


- Make sure to **print this template single-sided**. You will be making a project with two distinct layers with a small gap in between.

Step 2 — Color and Cut Template



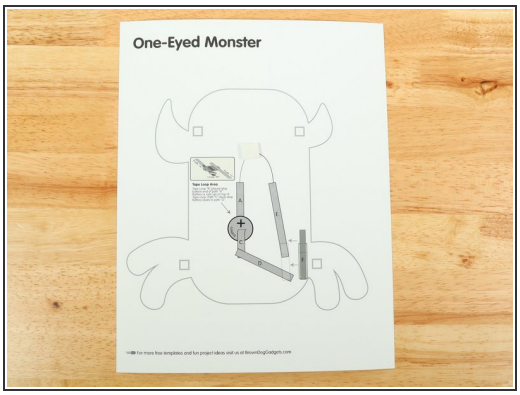


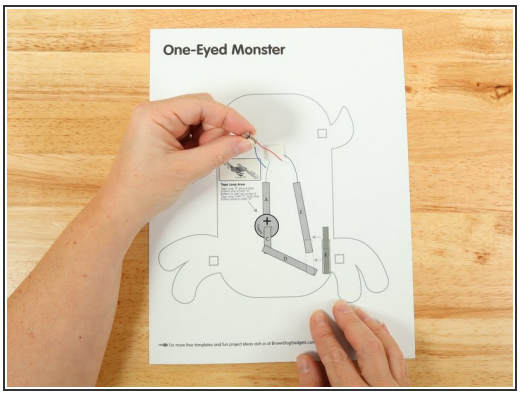


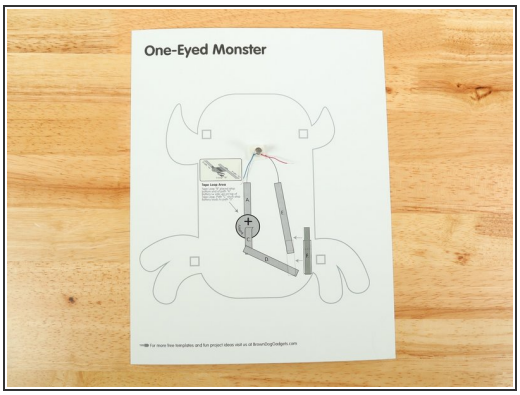
- **Color and cut** out the top layer of the monster template, the eye, and the switch.
- **Cut** out the small circle in the middle of the monster.
  - ⓘ We will be putting the motor through this hole in a later step.

ⓘ You do not need to cut out the template that has the circuitry. This space on the paper around the monster can be decorated to depict a scene.

Step 3 — Add Motor

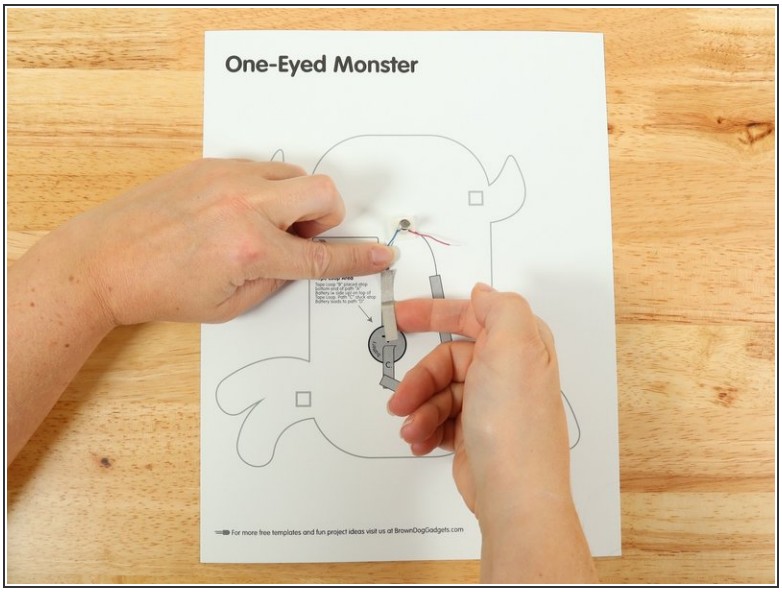






- **Add a piece of double-sided foam tape** to the center of the bottom layer.
- **Stick the motor to the double sided tape** making sure the back of the motor (with the wires) is stuck down to the tape and the part that spins faces upwards so it can move freely.

Step 4 — Add Tape Path A.

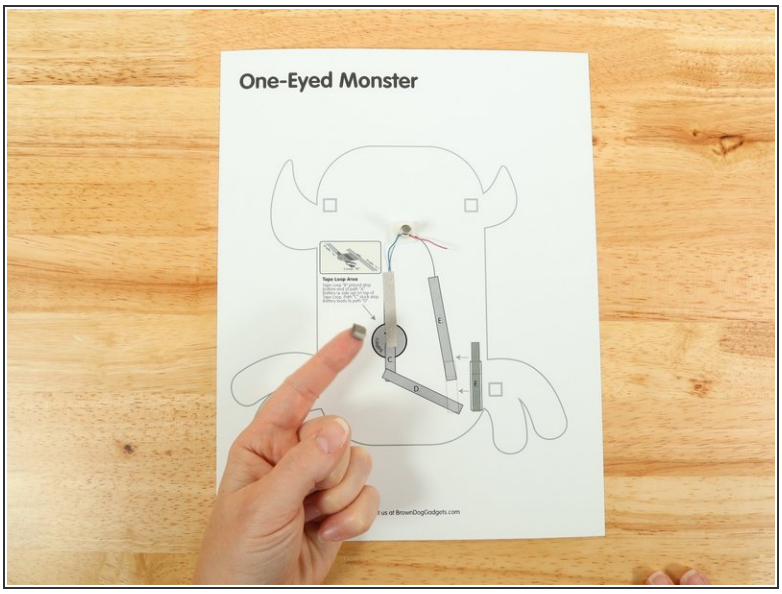




- **Add Tape Path A**. pressing it down atop the blue wire.

ⓘ If your wires are reversed it will just change the direction the motor rotates.

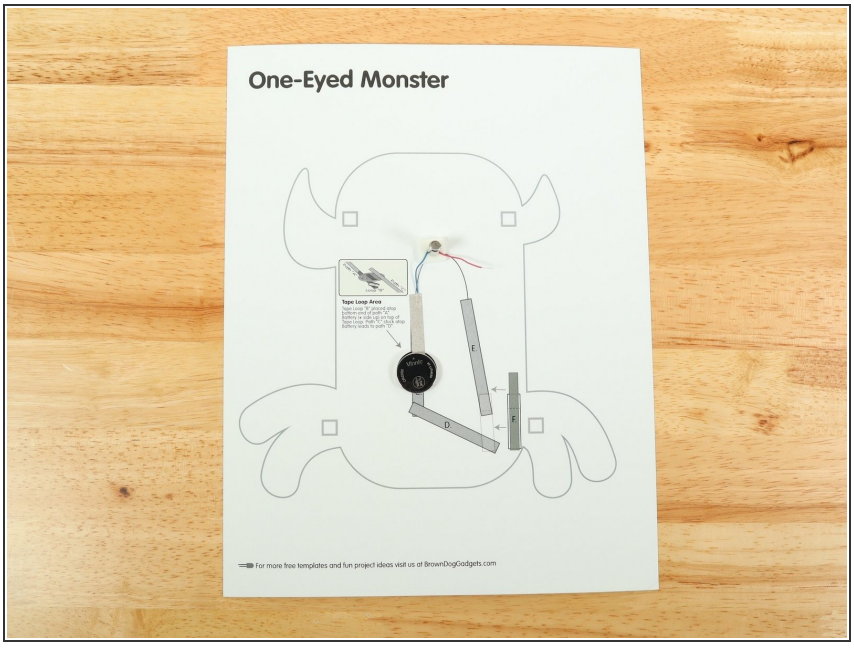
Step 5 — Add Tape Loop B.





- Make a **loop of tape** (sticky side out) using a short piece of Maker Tape, and stick it atop the end of Path A.

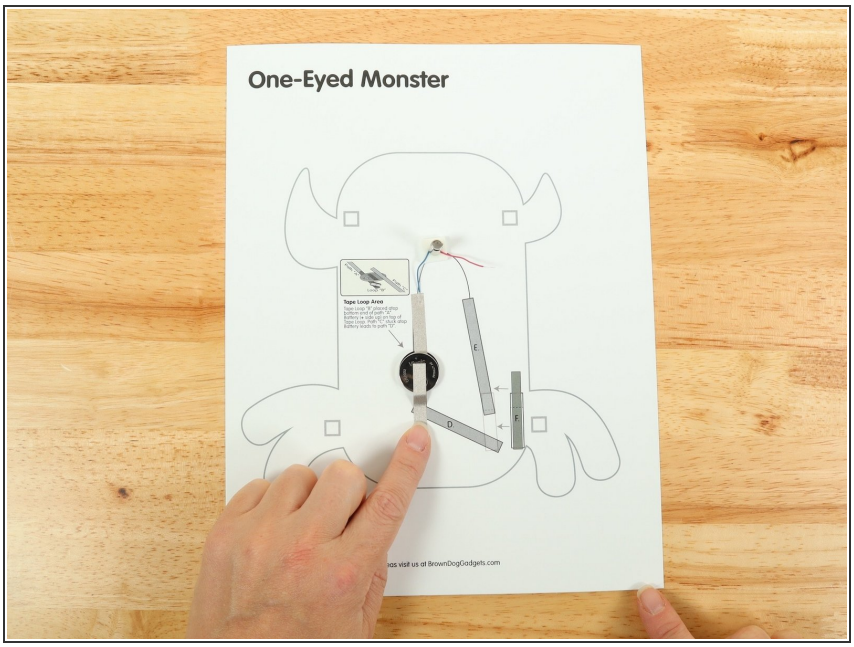
Step 6 — Add Battery



- Once your tape loop is in place you can add the **Battery** to it.

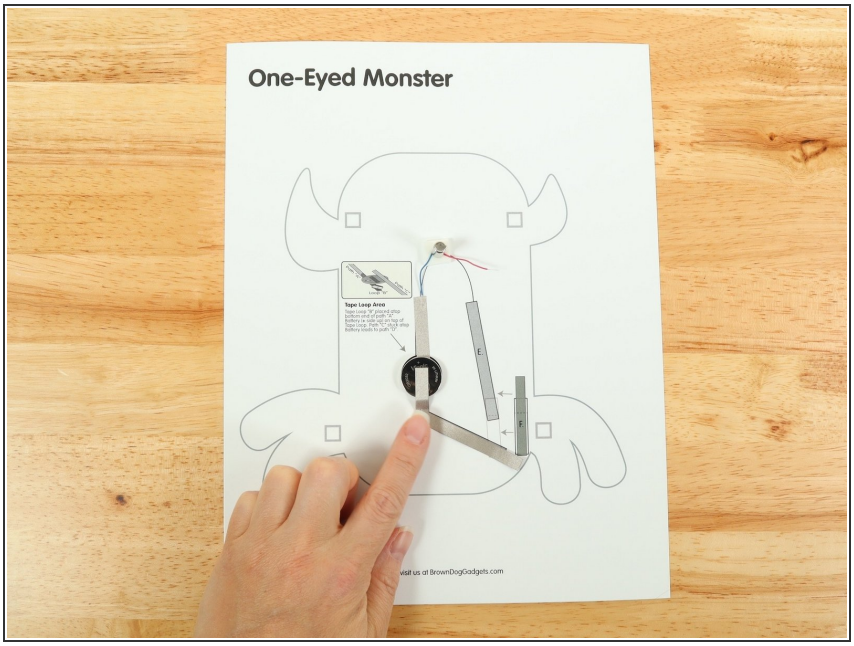
- Make sure the **Positive** side of the Battery is facing upwards, with the **Negative** side stuck down to the tape.

Step 7 — Add Tape Path C.



- Add **tape Path C.** to the top of the battery and onto the template.

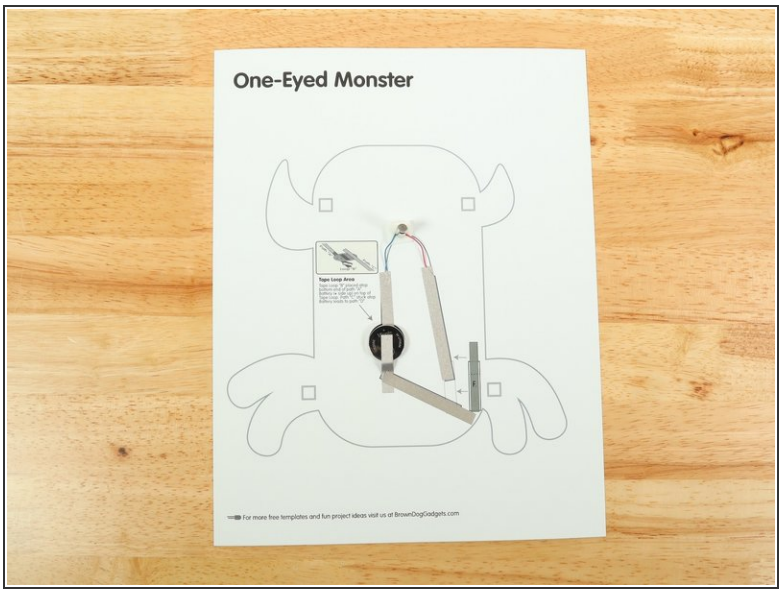
Step 8 — Add Tape Path D.



- Add **tape Path D.**

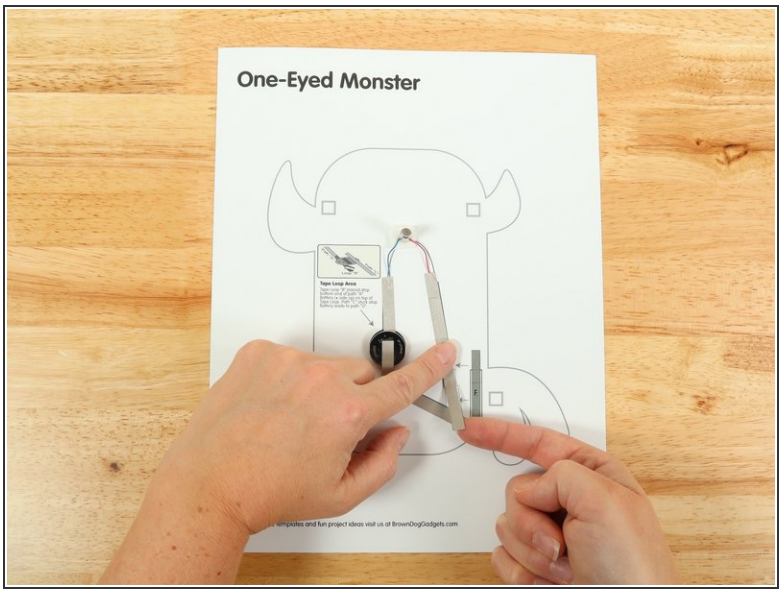
Step 9 — Add Tape Path E.





- Add **tape Path E**. pressing it down atop the red wire.

Step 10 — Add the Switch





- If you haven't made a paper lever switch yet see the guide: Switch - Lever Switch
- **Add the paper switch to the end of Path E.** so that the Maker Tape overlaps.
- Make sure the other end of the paper switch comes in contact with Path D.

ⓘ If the switch does not reach the Path D. tape you can adjust and add more Maker Tape as needed.

Step 11 — Test the Circuit

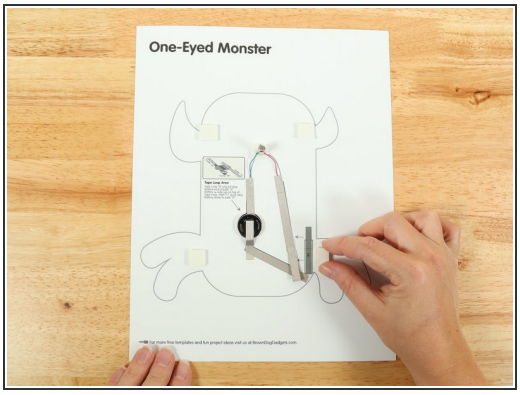


- At this point you should **test the circuit** to make sure it works. When you press down on the switch the motor should spin.

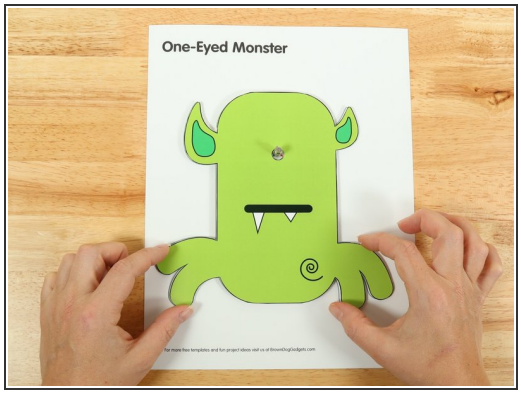
ⓘ It is easier to fix the circuit if it is not working before adding the top monster layer.

- If it does not spin...
  - Make sure that your switch is making contact.
  - Make sure your motor can spin freely and doesn't have tape or glue impeding movement.

Step 12 — Add Monster

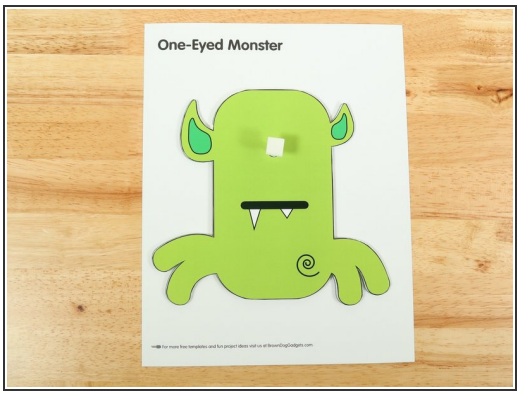




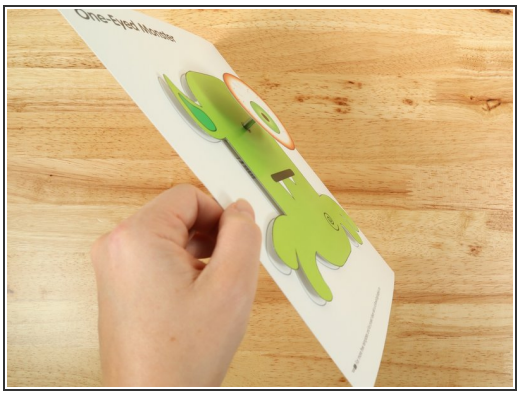


- **Add four small pieces of double-sided foam tape** to the squares around the outline of the monster.
- **Place the cut out monster template over the top** of the motor so the motor goes through the small hole you cut earlier.
- Press down on top of the template to adhere the top layer to the foam tape.

Step 13 — Add Spinning Eye







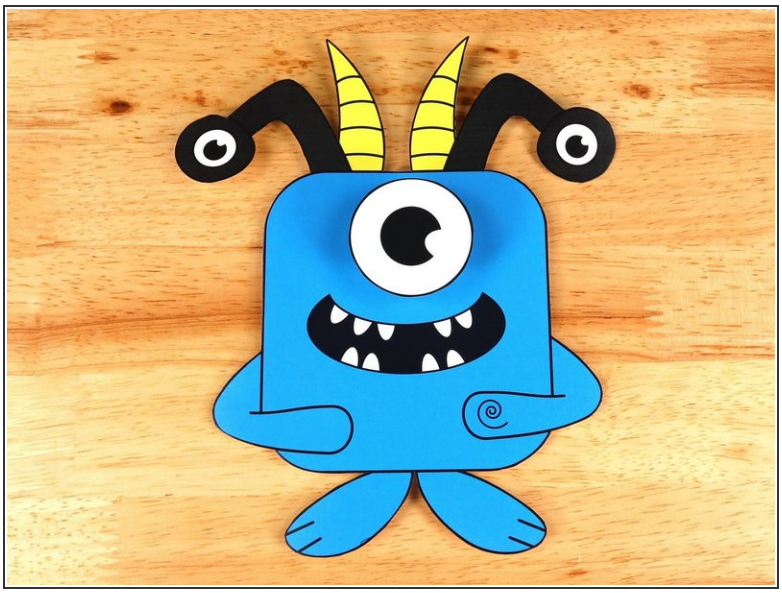
- Add another square of **double-sided tape onto the shaft of the motor**, and then stick the eye to it.

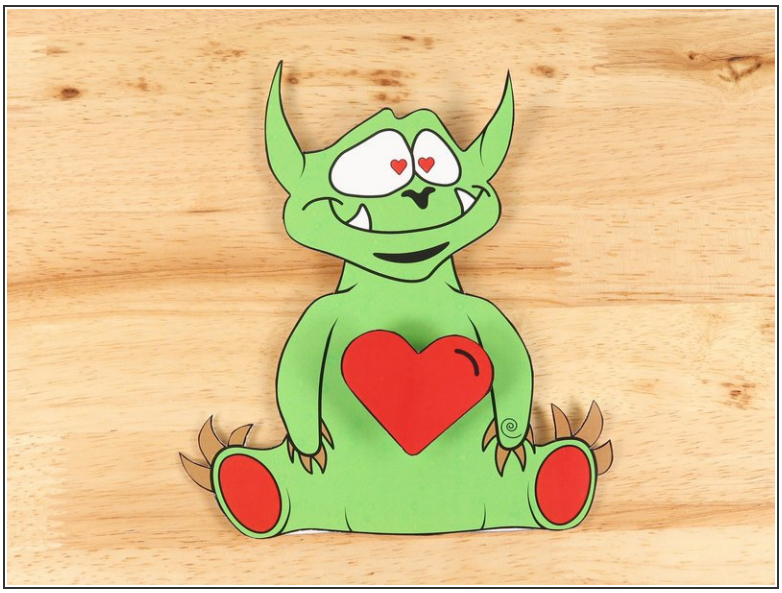
Step 14 — Test it Out!



- The switch is underneath the swirl pattern on the monster. Tap the swirl to make your monster's eye spin!

Step 15 — More Monsters!





- Check out these other monsters and create them for your next project!
  - Three Eyed Monster
  - Love Monster