Valentine's Day Penguin

Use stiff felt, craft foam or cardstock to make this Penguin Valentine with an LED.

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INTRODUCTION

Use stiff felt, craft foam or cardstock to make this Penguin Valentine with an LED.

You can make this project (and many more!) with our Wearable Circuits Kit or our Paper Circuits Kit.

TOOLS:

- Scissors (1)
- Glue (1)
- Safety Pin (1)
- Black Magic Marker (1)

PARTS:

- Wearable Circuits Kit (1)
- Felt (1)

Step 1 — Print and Cut Template







- **Print out the template** on heavy cardstock.

ⓘ We have included a full color template as well as a black and white template. Print the one that works better for your printing needs.

- **Cut** out each part of the template.

Step 2 — Trace and Cut Parts





- Use the template to **trace the parts** onto stiff felt, craft foam, or cardstock.
- **Cut** out the animal parts.

Step 3 — Assemble the Penguin





- Use glue to **assemble** the Penguin as pictured.

ⓘ Regular Elmers glue and Tacky glue both work well, but you will need to give the Penguin time to dry overnight before adding the circuit. Hot glue also works well and dries fast so you can build the circuit right away.

Step 4 — Poke Holes for LED Legs



- Use a safety pin or a push pin to **poke two holes** through the felt for the LED legs to go through.

Step 5 — Add the LED



- **Add the LED** by pushing the legs through the holes.

⚠ Note! Make sure the longer **Positive (+)** leg is on the left side when you put the legs through the holes.

Step 6 — Add Maker Tape



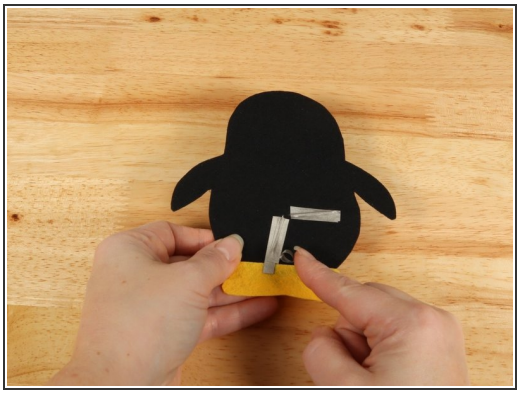


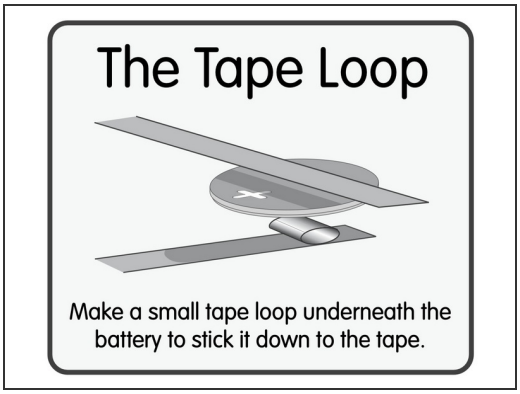


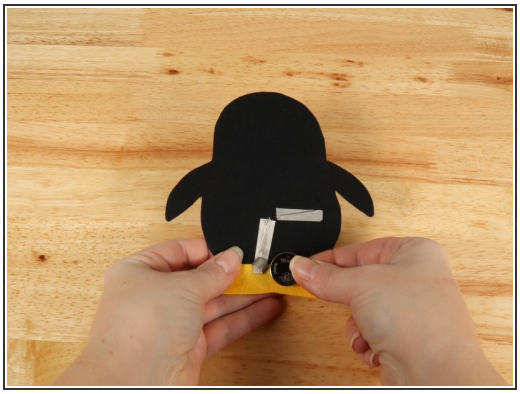
- Bend the shorter (**Negative**) LED leg down toward the bottom and the longer (**Positive**) LED leg over towards the right.
- Place a piece of **Maker Tape UNDERNEATH** each LED leg.
- Place another piece of **Maker Tape OVER THE TOP** of the LED legs so the LED legs have Maker Tape under and on top of them.

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Step 7 — Add Tape Loop and Battery







- Make a **loop of tape** (sticky side out) using a short piece of Maker Tape, and stick it atop the end of the path coming from the short (**Negative**) LED leg.
- 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 8 — Add Maker Tape



- **Add Maker Tape** to connect the top (**Positive**) side of the battery to the **Positive** LED leg path.

Step 9 — Add Finishing Touches





- To make the Penguin look like it is holding the heart, **fold the flippers inward** and keep them in place with a small amount of hot glue.
  - If you are using Elmers or Tacky glue, you will need to use something to hold the paws in place until it dries. Binder clips work well for this.

Step 10 — Penguin Assembled



- Your Valentine's Day Penguin craft is assembled and ready to give to that someone special!

Step 11 — Make More Valentine's Day Friends!



- Check out our other Valentine's Day Animals! Make them all!
  - Valentine's Day Bunny
  - Valentine's Day Cat
  - Valentine's Day Hedgehog
  - Valentine's Day Koala Bear
  - Valentine's Day Teddy Bear