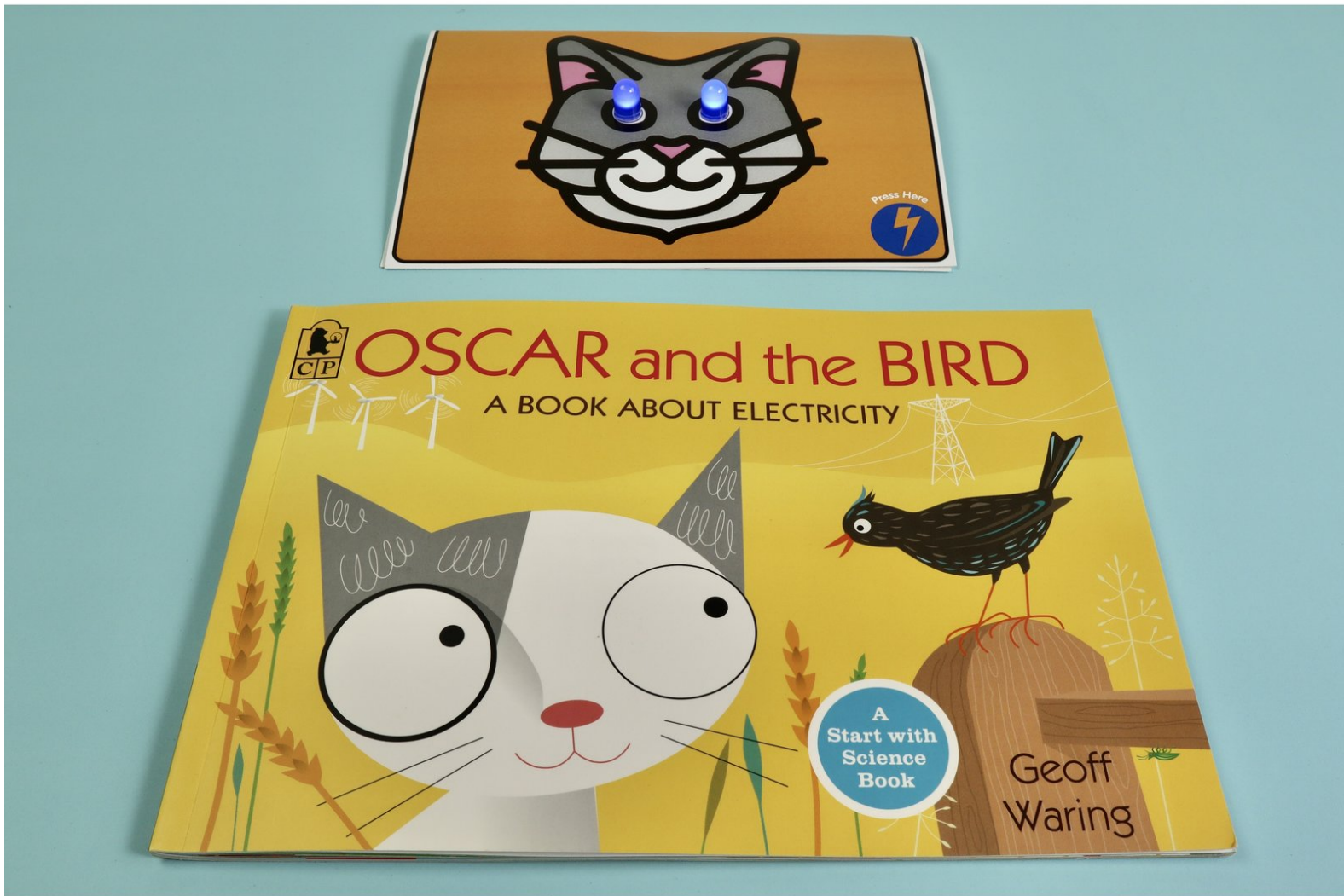




Oscar and the Bird: Cat Card

A simple, two-LED circuit card referencing the book *Oscar and the Bird: A Book About Electricity* by Geoff Waring. Pinch the corner to complete the circuit!

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INTRODUCTION

A simple, two-LED circuit card referencing the book Oscar and the Bird: A Book About Electricity by Geoff Waring.

Pinch the corner to complete the circuit!

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



TOOLS:

- [Scissors](#) (1)
- [Markers, Crayons, or Colored Pencils](#) (1)
- [Push Pin](#) (1)



PARTS:

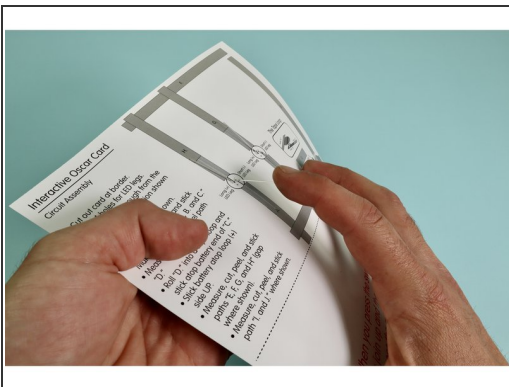
- [Paper Circuits Kit](#) (1)
- [Printable Template](#) (1)

Step 1 — Make Your Card



- This paper circuits card is a great beginner project. Just follow the steps below to make your card.
- Print out the full-color card or print out the black and white card and color/decorate as desired.
- Poke holes through the front of the card for the LED legs, then push the legs through the front.
- ☑ Make note of where the longer **Positive** and shorter **Negative** legs go. *Polarity matters!*
- Note: If you are using thicker paper (such as cardstock) we recommend using a push pin to poke the holes in the paper to put the LED legs through.

Step 2 — Bend Legs and Prepare Maker Tape Paths



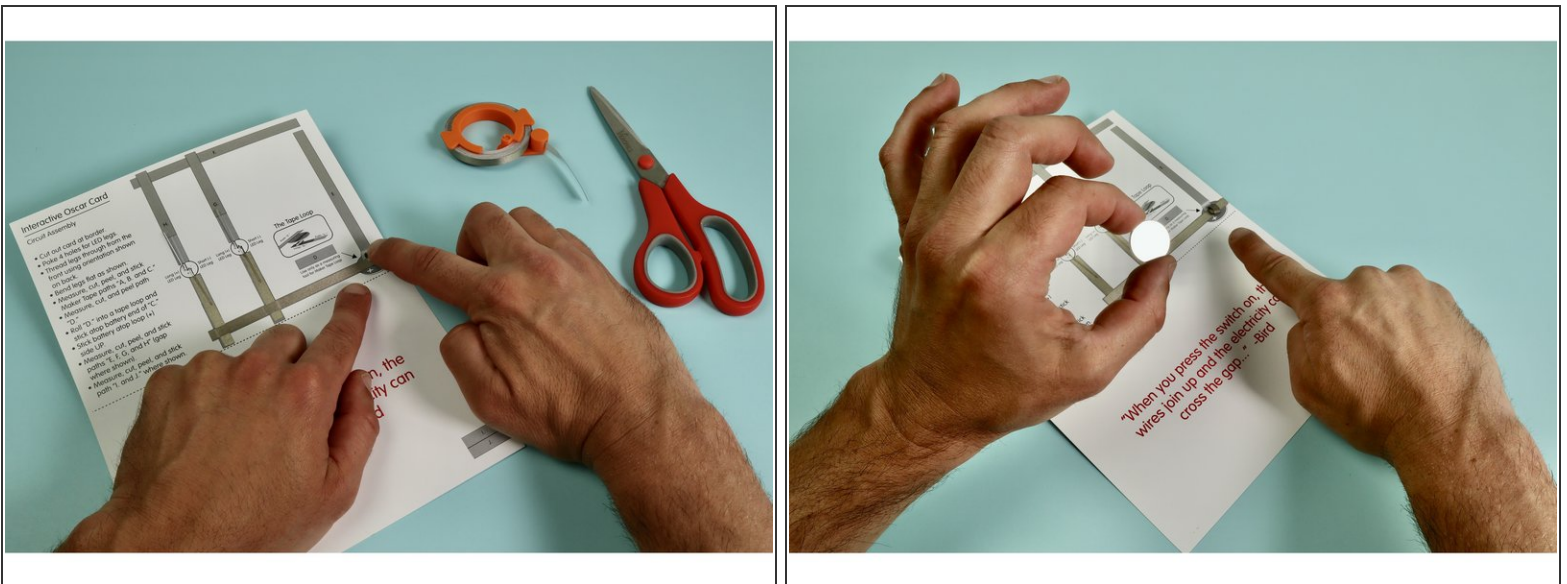
- On the inside of the card, bend the LED legs down flat against the paper as shown (each pair is bent in opposite directions).
- Use a scissors to measure and cut Maker Tape paths "A, B, C"

Step 3 — Stick Paths and Prepare Tape Loop



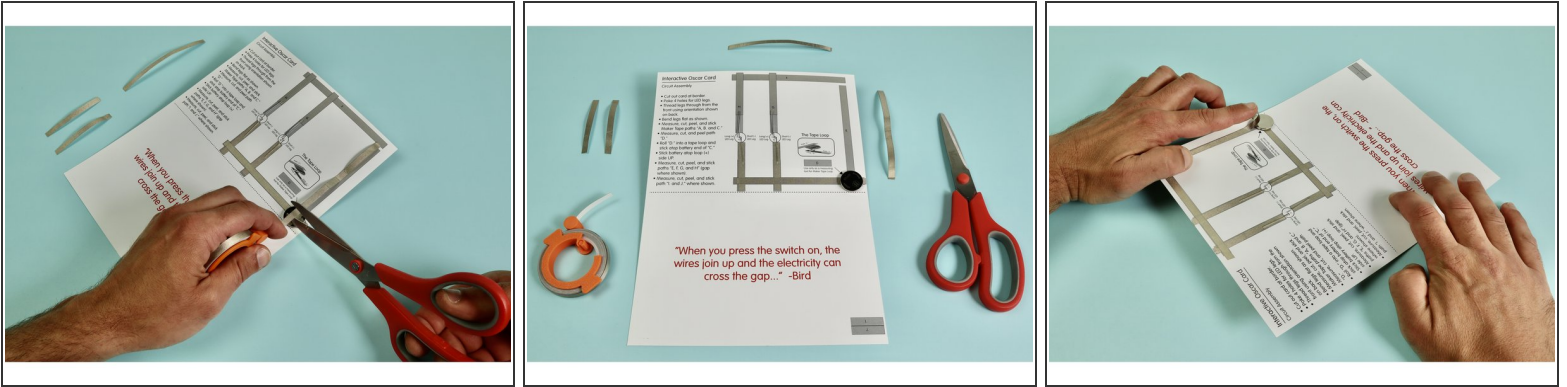
- **Peel and stick** those first three paths where shown. LED paths go on TOP of LED legs.
- **Measure and cut path "D."** using the graphic below the tape loop diagram.
- **Peel and roll "D."** into a sticky-side-out tape loop.

Step 4 — Place Tape Loop and Install Battery



- **Stick tape loop** to the battery end of path "C" as shown.
- **Install battery** atop tape loop **POSITIVE SIDE UP**.

Step 5 — More paths back to the battery



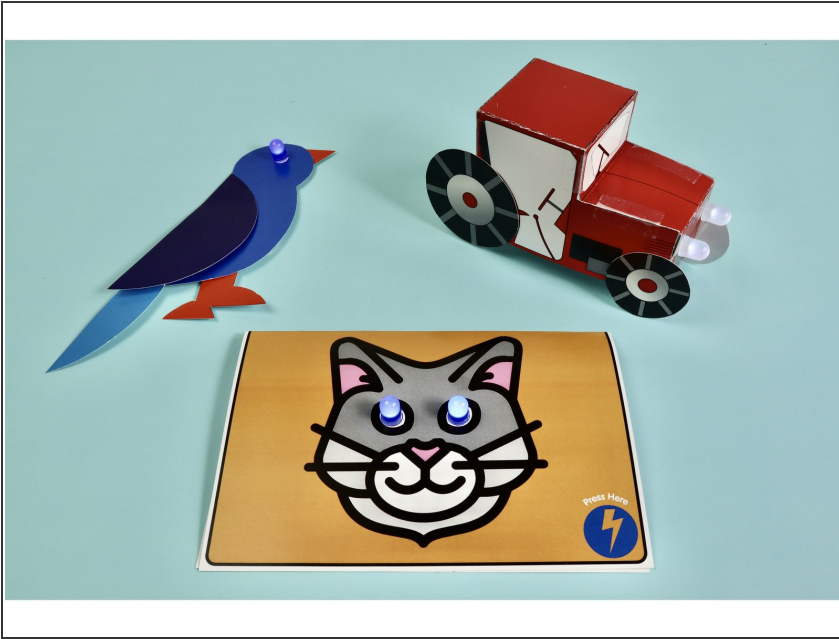
- **Measure, cut, peel, and stick** paths "E, F, G, and H" where shown.
- Be sure to **maintain the gap** shown between "G and H".
- The battery end of **path "H"** should be stuck **atop the Positive (+) Side** of the battery.

Step 6 — Two Overlapping Paths



- **Measure, cut, peel, and stick** paths "I, J" where shown so that they overlap.
- Your circuit is now finished. **It will not turn on until or unless the card is closed and pinched where shown on the bottom right corner of the front image.**

Step 7 — More Oscar and the Bird Projects!



- Make more Oscar and the Bird themed projects! We've got more paper circuit activities to choose from.
 - [Oscar and the Bird: LED Bird](#)
 - [Oscar and the Bird: 3D LED Tractor](#)