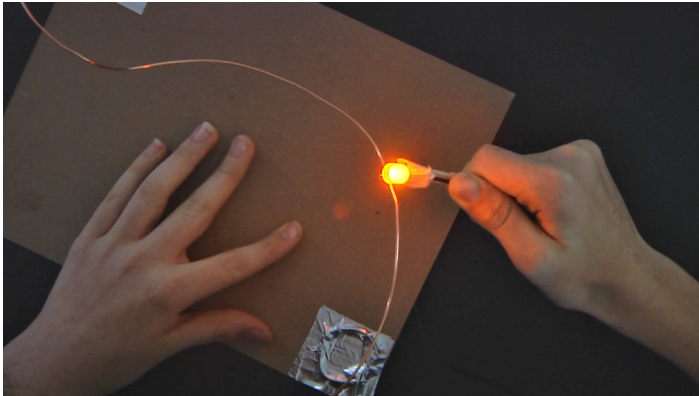


Do Space Summer 2021

MAKE IT!: STEADY HAND GAME



Subjects:

- Circuitry
- Engineering
- Crafting

INTRODUCTION

It takes nerves of steel to get down the copper! Will your wand touch the copper path and light up the LED? Also a fun eye-hand coordination game, this project is an exploration into conductivity, introduction to electric circuits, and intro to LEDs.

WHAT WE'LL BE USING:

- 10mm LED
- CR2032 3V Coin Battery
- Aluminum tape
- 14 Gauge bare copper wire
- 18 Gauge insulated stranded wire
- 8½" x 11" Chipboard
- craft stick
- Scissors
- Masking Tape
- Ruler
- Needle Nose Pliers

WHY DOES IT WORK?

A circuit is a path that electricity (or electrons) flow through. We are connecting an electricity source, the battery, to different conductive components, things that let the electrons pass through them. The circuit is not complete until the wire on the wand touches the copper wire, and the LED bulb lights up.

Standards:

- PS3.D
- ETS1.A
- ETS1.C

nextgenscience.org

Maker

Capacities:

- Tinker to Explore
- Finding Opportunities

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Key Terms

- Circuit
- LED
- Conductive
- Switch



Share what you made! @DoSpaceOmaha #DoSpaceSummer

