



## Squishy Circuits

*Learn about circuits with some Play Doh and LEDs!*

**Project Type:** Tinkering, Creative Tactile

**Group/Individual:** Individual or Collaborative

**Lesson Plan Audience:** Maker Mentor or Maker

**Time:** 15 minutes - 1 hour

**Hard Skills:** Circuitry

**Soft Skills:** Resilience and patience, Problem Solving

**Ideal # of Participants:** Works well in any size group as long as everyone has access to materials and instructions

**Age Group:** 6-9

**Ideas for Taking it Further:**

Suggest that participants make up and tell you stories about their circuit and the Play Doh objects they created for it.

**Difficulties/Tips:**

Instead of coin cell batteries, try using 9 Volt batteries. Batteries that have protruding terminals can be easier to connect to with alligator clips.

The Play Doh object with the negative (short) lead of the LED in it must be connected via alligator clip to the negative side or terminal of your battery. The object with the positive (long) lead must be connected to the positive side or terminal.



# Squishy

## CIRCUITS

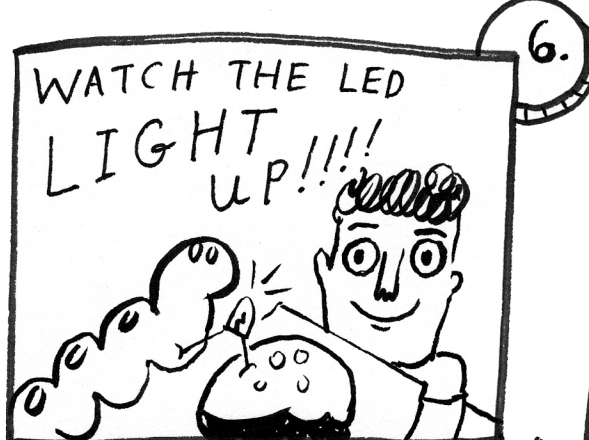
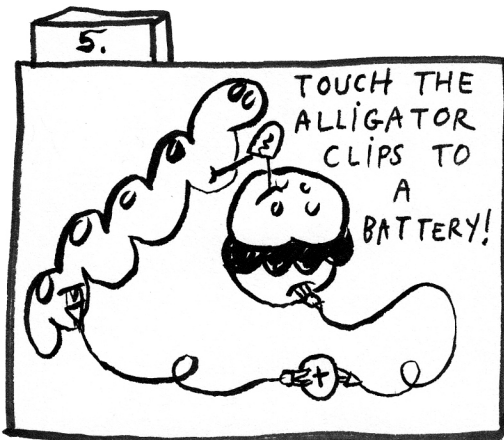
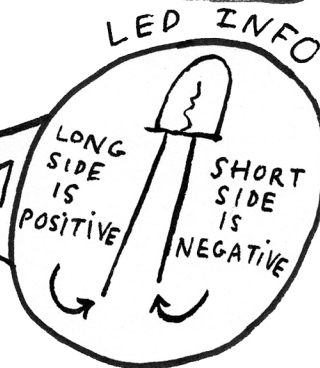
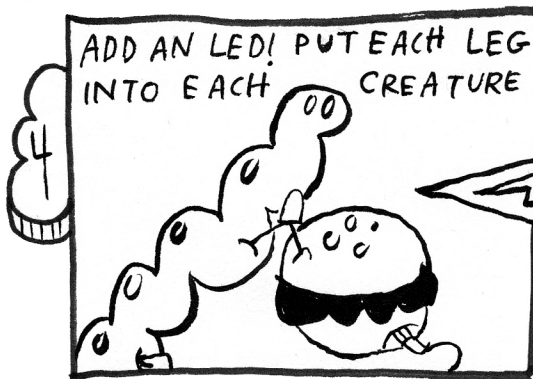
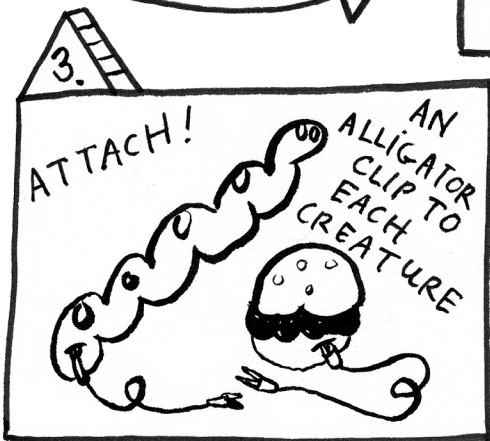
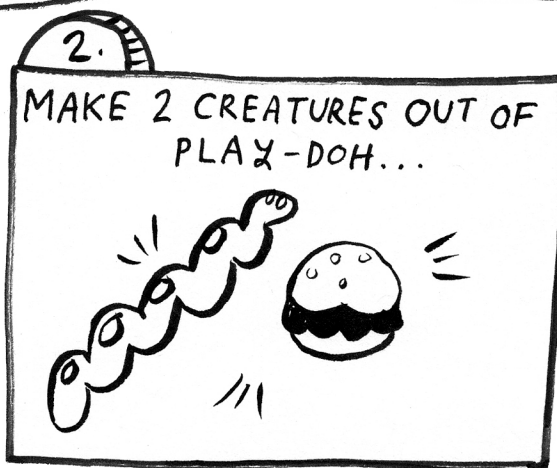
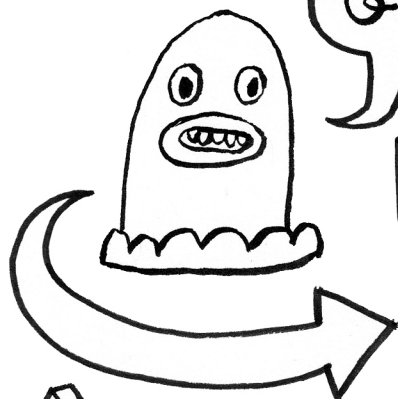
10-30 MIN. = 1-3 PEOPLE

AGE 5+

LET'S GET STARTED!

### MATERIALS NEEDED!

- \* PLAY-DOH
- \* COIN CELL BATTERIES
- \* LED LIGHTS
- \* ALLIGATOR CLIPS



\* ADD MORE \* LED LIGHTS & BATTERIES AND SEE WHAT HAPPENS!!

