

# Wamego Technology Center



# CREATORS SHOW & TELL

Questions?

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**Your project is to create a circuit on a sheet of paper using the provided components and then show & tell about it at our event at Iron Clad.**

## Your kit contains:

A 9 volt battery & connector wires, a bottle of graphite powder, copper foil tape, an Elmers Glue pen, resistors, & colored LED Diodes

## Circuit Kit Instructions

See the attached booklet that come with the kit that will guide you through the process of making your circuit creation.

YouTube video link about creating a circuit: <https://youtu.be/IZGWkCR7T6E>

This kit is your opportunity to add art to science -- be creative and plan out some cool circuit art! You can make pictures literally come to life with light-up circuits!

### DIRECTIONS:

1. Place the LED lights with their wires spread away from each other; then lay them on upright.
2. Place two strips of copper foil tape in a straight line next to each other and over the wires of the LED lights
3. Then to make a connection with the tape and the wires, pour a bit of graphite powder over the wires and tape.
4. Place the battery on the end of the tape to light up the LEDs.

**NOTE:** If you are having difficulty with LEDs' burning out, please use the included resistors. To use, attach one to the + leg of your LED (making the power flow through the resistor FIRST, then on to the LED) and this should stop them from burning out! Questions? Please ask!

**THANK YOU TO OUR SPONSORS!**

