



Engineering Institutes:

LED Circuit Cards

Materials:

- Card stock
- LED light
- Copper tape
- Markers or crayons
- 1 coin battery (3V battery)

Procedure:

1. Design or print out a template to use for your paper circuit
2. Draw an outline to use for the placement of copper tape and the battery
3. Bend the legs of the LED light. The longest leg is the positive (+) charge; the flat side is the negative (-) charge
4. Use copper tape to tape down the legs of the LED light
5. Place the battery on the copper tape. Tape the edges of the battery, leaving the middle exposed
6. Fold the template and make a press here button

The Science Behind It:

This paper-LED circuit cards teach the basic of electricity and how circuits function, use power sources, conductors, and resistors.