



California State University of Bakersfield, Department of Chemistry

## Aluminum Circuit



### Standards:

1-PS4-2. Make observations to construct an evidence-based account that objects in darkness can be seen only when illuminated.

1-PS4-4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.

3-PS2-3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

### Introduction:

*Circuits carry electric current when they are in a closed loop, and can act differently depending on the physical set up of the circuit. Current, which is the flow of electrons in a circuit, can be carried through wires, barriers, and any other functional pieces of circuits, like lights.*

### Materials:

- 9V battery
- Electrical tape

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**References:**

1. Bjornsson, Erin. Series and Parallel Circuits ( Education.Com).  
<http://www.education.com/science-fair/article/parallel/> (Accessed: July 28, 2014).