***Electric Circuit***

1. Break the students up into groups of 4 or less.
2. Hand out the activity sheets and materials
3. They are building simple circuits with batteries for the voltage sources and small light bulbs for the components.
4. Be sure to help them connect the circuits, as they probably have never done so before
5. They connect the bulbs in both series and then parallel configurations
6. They measure the voltages and currents of each bulb in both configurations to verify the properties of series and parallel connections

Example circuits for the activity:

**- The series connection of the circuit**

**- The parallel connection of the circuit**



