

THOMAS EDISON

DIY Simple Circuit

Thomas Edison was an American inventor and businessman. Most of his inventions involved electricity and communication.

SUPPLIES

1.5 volt lightbulb
1.5 volt battery
Bread ties
or foil
Electrical tape

INSTRUCTIONS

STEP 1: Strip the paper off the ends of both bread ties so you see wire.

STEP 2: Tape one end of the wire to the top of your battery.

STEP 3: Wrap and tape the other end of the wire around your lightbulb.

STEP 4: Now tape the other wire to the bottom of the battery.

STEP 5: To light the bulb, touch the remaining wire to the metal tip at the bottom of your lightbulb. You have created an electrical connection!

WHAT'S HAPPENING

A simple electric circuit is a loop of electric elements where electricity travels. In its simplest form, an electrical circuit contains three main parts:

A power source, to drive electrical current around the circuit (a battery)

A conductor to carry the current around the circuit (wire)

A load that has resistance (bulb) and converts the electrical energy into another form (light)

When you connect the battery to the light bulb with the wires, you are making a simple electrical circuit.

