



BUILD A Flashlight

WHAT YOU'LL LEARN

The battery gives power that moves through the wires. All of the pieces together are called a circuit, and the energy moving through is called the current.

WHAT YOU'LL NEED



3-POINT WIRE (x2)



1-POINT WIRE (x2)



BULB (x1)



BATTERY (x1)

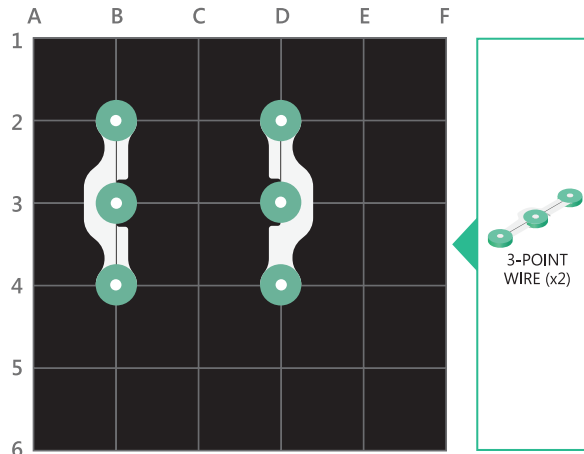


Magnetic, snap-together modules
for learning basic circuitry

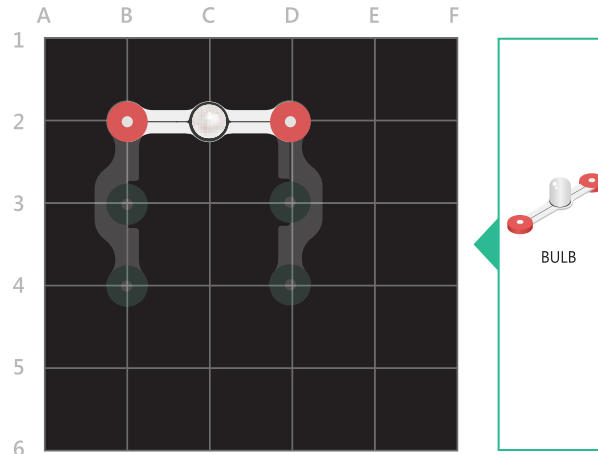
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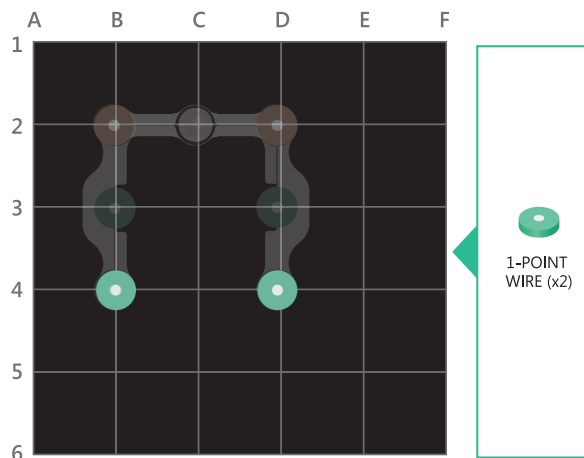
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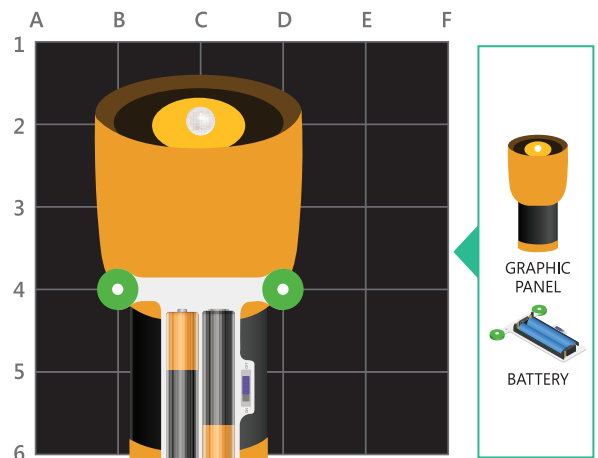
Step 1: Place two 3-point wire components on the board as shown



Step 2: Bridge the bulb between the two 3-point wire components



Step 3: Place two 1-point wire components on the board as shown



Step 4: Add graphic panel and battery.
Flip the switch on battery to the "ON" position.



WARNING

1. This product contains small magnets. Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnets are swallowed or inhaled. It isn't suitable for children below 8 years old.
2. AA batteries are essential for this product. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).

WARNING: CONNECTING ALL WIRES TO THE + OR THE - ON THE BATTERY CAN CAUSE THE CIRCUIT TO SHORT AND BURN OUT THE BATTERY.