Explore... Learn... Create

Master Makers

Booklet

Ages +8



Jumpers

flexible wires used to connect different parts of a Snap Circuits project.

Breadboard

a tool for building circuits without soldering. You can plug in wires and parts to test ideas quickly and easily!



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Battery

the power source that gives energy to your Snap Circuits projects.

Magnet Stick

a small magnetic tool used to activate the reed switch. When you bring the magnet close to the reed switch, it pulls the tiny metal parts inside together and closes the circuit, just like flipping a switch!

Inputs

Push Button

a simple switch that controls the circuit. When you press the button, the circuit closes and electricity flows.

Reed Switch

when you bring a magnet close, it turns on. When you move the magnet away, it turns off no touching needed!

Force Switch

lets more electricity pass when you press harder. The stronger you push, the more power flows through your project!

Touch Sensor

reacts when you touch it. When your finger makes contact, it closes the circuit and lets electricity flow.

LDR

a special sensor that reacts to light. The brighter the light, the less resistance it has, letting more electricity flow through the circuit!















Potentiometer

a knob that you can turn to change the amount of electricity in the circuit.

Blow Sensor

reacts when you blow air at it. Your breath makes the sensor activate, closing the circuit and turning on your project!



Microcontroller

is like the brain of your project. It sends and receives signals to control lights, sounds, motors, and more!

Outputs



makes a sound when the circuit is closed. It's like a little alarm that lets you know something is happening in your project!

LED

a small light that shines brightly when the circuit is on.

Motor

makes things move! When the circuit is on, the motor spins and powers fans.



RGB

is a light that can change colors!