

Conduction

30 minutes**Discovering the Magic of Circuits**

WHAT THIS LESSON DOES

As the teacher, guide your students through building a circuit using Snap Circuits to explore electrical conduction. Help them assemble components, test various materials as conductors or insulators, and discuss their findings to reinforce key concepts.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Understand the concept of electrical conduction and identify materials that can conduct electricity.
- Build a basic circuit using a base grid, batteries, a battery holder, an LED light block, a resistor block, and wire blocks.
- Recognise the importance of correct placement and connection of circuit components for successful electrical flow.
- Conduct experiments to test the conductivity of various objects and materials.
- Reflect on the results of the experiments, reinforcing the understanding of conductors and insulators.

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HOW THE LESSON RUNS
Introduction
Prepare the Base Grid
Inserting Batteries
Place the battery holder (B1)
Place the red LED light block (D1)
Place the 100 Ω resistor block (R1)
Place two 2 wire blocks
Place two 1 wire blocks
Place two 2 wire blocks
Experiment with Objects and Materials
Wrap Up and Review