

Electric Light and Switch

30 minutes

Discovering the Magic of Circuits

WHAT THIS LESSON DOES

As the teacher, guide your students through the basics of electricity and switches using Snap Circuits. Explain key concepts, assist with assembling components on the base grid, and ensure safety while they light up a lamp with a slide switch.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Understand the basic principles of electricity and its everyday applications.
- Identify and explain the function of a switch in an electrical circuit.
- Construct a simple electrical circuit using Snap Circuits, demonstrating practical skills and safety awareness.
- Apply knowledge of electricity and circuits to explain why a light bulb lights up when connected to a battery and controlled by a switch.
- Develop problem-solving skills by troubleshooting and correcting any issues with the circuit to ensure the light bulb lights up.

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HOW THE LESSON RUNS	
Introduction to Electric Light and Switch	
Prepare the Base Grid	
Inserting Batteries	
Place the battery holder (B1)	
Place wire block (3)	
Place the lamp block (L1)	
Place the slide switch block (S1)	
Lighting Up the Circuit	
Exploration Time	