

LED Circuit

30 minutes

Discovering the Magic of Circuits

WHAT THIS LESSON DOES

As the teacher, guide your students through building a basic LED circuit using Snap Circuits. Explain the importance of electricity flow direction, assist with assembling components like the battery holder and LED, and encourage experimentation to reinforce learning.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Understand the basic principles of an LED circuit, including the direction of electricity flow.
- Develop practical skills in assembling a basic LED circuit using Snap Circuits.
- Recognise the importance of correct placement of circuit components, particularly the LED light block.
- Apply knowledge of circuitry to experiment with and troubleshoot LED circuits.
- Develop a curiosity for further exploration and understanding of electrical circuits.

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HOW THE LESSON RUNS	
Introduction	
Prepare the Base Grid	
Inserting Batteries	
Place the battery holder (B1)	
Place wire block (3)	
Place the red LED light block (D1)	
Place the press switch block (S2)	
Lighting Up the Circuit	
Experiment with LED Direction	
Exploration and Conclusion	