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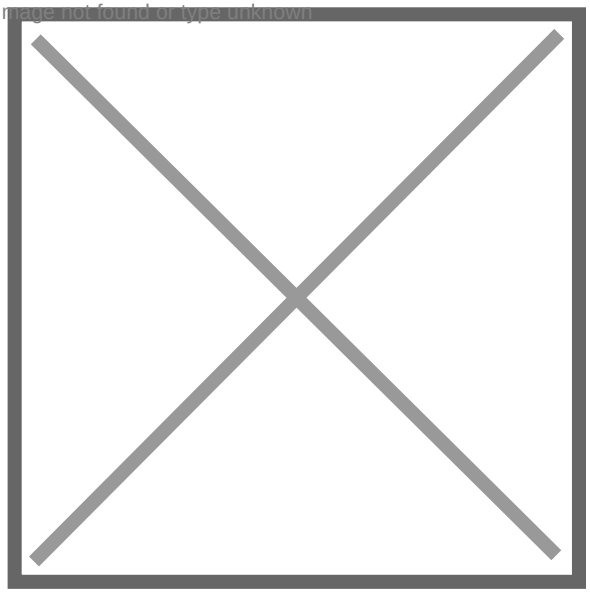
Product Name :

Mini Science Kit – Electricity

Product Code :

SLE/CH/159

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Description :

Mini Science Kit – Electricity (Product Code: SLE/CH/159) introduces simple circuits through a sequence of practical questions: what makes a circuit complete, what a switch does, which materials conduct, how to change the brightness of a bulb and how to draw what has been builtas a circuit diagram. Built by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India,it is an electricity experiment kit for school classrooms that want every group connecting circuitswith their own hands.

Key Details

Parameter	Detail
Type	Mini science kit (topic kit)
Topic	Electricity and simple circuits
Skills developed	Building and changing circuits, testing conductors, using switches, controlling bulb brightness, drawing circuit diagrams
Activities	Seven activities, listed below
Suitable for	Small-group circuit work in school science

Activities performed with this kit:

- Understanding a complete circuit
- Changing circuits
- Which materials conduct electricity the best?
- What is a switch?
- How do I change the brightness of a bulb?
- Can you draw a circuit diagram?
- How do I change the wires to affect the brightness of the bulb?

Typical Use

Pupils first build a loop that lights a bulb and then break it at different points to see that current needs a complete path. From there they change the circuit – adding or removing components – and predict what will happen to the bulb before testing. The conductor activity turns into a quick sorting exercise: groups place everyday objects in a gap in the circuit and record which ones let the bulb light. Adding a switch shows how a circuit is opened and closed deliberately, just like the switches at home.

The two brightness activities lead pupils to see that the number of cells, the number of bulbs and the wires themselves all affect how bright a bulb glows. Finishing with circuit diagrams helps pupils record their designs in standard symbols. Use only low-voltage cells for these activities – never mains electricity – and disconnect circuits when they are not being observed so cells do not run down.

Manufacturer

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