

Science: Electricity



Overview

In this unit children will learn about some uses of electricity and the importance of safety before constructing simple circuits. They will learn how to construct a switch to open and close a circuit and recognise what makes a conductor and an insulator. The final part is an application of their understanding when the children design and make a robot with a bulb and switch using their knowledge of circuits.

Key points of learning	RAG	BDS
Identify common appliances that run on electricity.		
Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs and switches.		
Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.		
Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.		
Recognise some common conductors and insulators and associate metals with being good conductors.		

Key Vocabulary

battery

bulb

cell

circuit

components

conductor

insulator

mains

rechargeable

switch

terminals

wires

