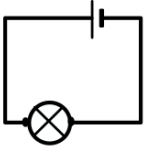


Electricity -Spring 2025

How can I get my circuit to work?



Children will be able to create a working test circuit and use it to test if components work, identify breaks in a simple circuit when wires, components or cells are not connected correctly and explain how electricity flows around the circuit.

How do we draw circuits using scientific symbols?

Children will be able to use symbols to represent components in a circuit, draw a circuit diagram to represent a series circuit and spot and correct errors in circuit diagrams.



How does changing the voltage affect the circuit?

Children will be able to carry out an investigation to test changes in a circuit, record results in a table, and make conclusions and recognise what happens to the components in a circuit when the voltage changes.

What happens when we add components in a circuit?

children will be able to investigate variations in the function of components in different circuits, pose questions and record patterns in observations and explain the effect of adding components on the flow of electricity in a circuit.

Can we design and test our own circuit system?

Children will be able to draw series circuits using scientific symbols, construct a working series circuit from a plan and evaluate the effectiveness of an appliance and make improvements to the circuit.

End of topic assessment

Children will summarise and review their learning.

