

# Electricity



Concepts		Core Vocabulary			
Properties	Materials	Voltage	Cells	Electrons	Current

## A great Scientist...

- develops scientific knowledge and conceptual understanding through all aspects of science.
- develops understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- is equipped with the scientific knowledge required to understand the uses and implications of science, today, and for the future.

## Science Knowledge

I can use recognised symbols (switches, bulbs, cell, buzzers and motors) when representing a simple circuit in a diagram.

I can compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.

I understand that brightness of a lamp or the volume of a buzzer is associated to the number and voltage of cells used in a circuit.

## Science Skills

I can identify scientific evidence that has been used to support or refute ideas or arguments.

I can record data and results of increasing complexity using scientific diagrams including classification keys.

I can report and present findings from enquiries, including causal relationships, in oral and written forms such as displays and other presentations.

I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

I can use test results to make predictions to set up further comparative and fair tests.

I can record data and results of increasing complexity using scientific diagrams and labels, tables, scatter graphs, bar and line graphs.

I can report and present findings from enquiries, including conclusions and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.

