

Key Stage 1

Year 1

- To describe the simple physical properties of a variety of everyday materials (materials)
- To compare and group together a variety of everyday materials on the basis of their simple physical properties. (Materials)

Year 2

- To identify and compare the suitability of a variety of everyday materials. (Materials)

Progression in learning about Electricity

Lower Key Stage 2

Year 4

- **To identify common appliances that run on electricity (Electricity).**
- **To construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers (Electricity).**
- **To 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 (Electricity)**
- **To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit (Electricity)**
- **To recognise some common conductors and insulators, and associate metals with being good conductors (Electricity).**

Upper Key Stage 2

Year 5

- To compare and group together everyday materials on the basis of their properties (Properties of Materials).
- To give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials (Properties of materials).

Year 6

- **To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit (Electricity).**
- **To 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 (Electricity).**
- **To use recognised symbols when representing a simple circuit in a diagram (Electricity).**