

Electricity

Year 4

I will identify common appliances that run on electricity.

I will construct a simple series electrical circuit and be able to identify its basic parts, including cells, wires, bulbs, switches and buzzers.

I will identify whether or not a lamp will light in a simple series circuit.

I will recognise that a switch opens and closes a circuit.

I will recognise some common conductors and insulators, and associate metals with being good conductors.

Year 6

I will associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.

I will 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 will use recognised symbols when representing a simple circuit in a diagram.