

7Ja – Discovering electricity/Current

Word	Pronunciation	Meaning
ammeter		A piece of equipment that measures how much electricity is flowing around a circuit.
amp (A)		The unit for measuring current.
battery		Two or more cells used together.
cell		A source of electricity with a low 'energy' (low voltage). Cells push electrons round a circuit.
component	<i>com-po-nent</i>	Something in a circuit, such as a bulb, switch or motor.
current		The flow of electricity around a circuit.
filament		The thin piece of wire inside a light bulb that glows when the bulb is on.
power pack		A source of electricity with a low voltage, that is safe to use in schools.

7Jb – Models in science

Word	Pronunciation	Meaning
analogy		A model that compares something complicated to something that is easier to understand.
model		A way of showing or representing something that helps you to think about it or to find out about it.
physical model	<i>fi-zi-kal</i>	A model that you can touch, or a model that you could build.
abstract model		A model that only exists in your thoughts, or as a computer program.

7Jb – Models for circuits

Word	Pronunciation	Meaning
charges		Tiny particles that flow around a circuit.

7Jc – Series and parallel

Word	Pronunciation	Meaning
parallel circuit		A circuit with two or more branches that split apart and join up again.
series circuit		A circuit in which there is only one loop of wire.

7Jc – Using tables

Word	Pronunciation	Meaning
qualitative		Something that is described in words.
quantitative		Something that is described in numbers.

7Jd – Voltage and resistance

Word	Pronunciation	Meaning
across		When one component (such as a voltmeter) is connected in parallel to another.
resistance		A way of saying how difficult it is for electricity to flow through something.
resistor		A component that makes it difficult for electricity to flow – resistors are used to reduce the size of the current in a circuit.
variable resistor		A resistor whose resistance can be changed.
voltage		A way of saying how much energy is transferred by electricity.
voltmeter		A piece of equipment that measures how much energy is being transferred by a current.
volt (V)		The unit for voltage.

7Je – Using electricity/A world without electricity

Word	Pronunciation	Meaning
cable		The wire for something that runs off mains electricity. It has three separate wires inside it.
cable grip		Part of a plug that holds the cable, and stops the wires being pulled out of the pins.
circuit breaker		A safety device that switches off the electricity supply if the current is too big.
earth pin		The metal pin in a plug that the earth wire is connected to.
earth wire		The green and yellow wire in a cable or plug. It is there for safety.
fuse		A piece of wire that melts if too much electricity flows through it.
fuse rating		The largest current a fuse can conduct without melting.
hazard		Something that could be a danger.
live pin		The metal pin in a plug that the live wire is connected to.
live wire		The brown wire in a cable or plug.
neutral pin		The metal pin in a plug that the neutral wire is connected to.
neutral wire		The blue wire in a cable or plug.
ring main		A type of parallel circuit used in house wiring.
risk		How likely it is that a particular hazard will cause a danger.