

7Ja – Electricity/Live and dangerous/Current affairs

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.
circuit	<i>sir-kit</i>	A complete loop that electricity flows around.
component	<i>com-po-nent</i>	Something in a circuit, such as a bulb, switch or motor.
electrical conductor		A material that lets electricity flow through it.
electrical insulator		A material that does not let electricity flow through it.
electric current		The flow of electricity around a circuit.
filament		Thin piece of wire inside a light bulb that glows when electricity is flowing through it.
mains electricity		Electricity provided to houses, shops etc. from power stations.
power pack		A source of electricity with a low 'energy' (low voltage).
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.
voltage		A way of saying how much energy is transferred by electricity.

7Jb – Using 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.
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.
live wire		The brown wire in a cable or plug.
neutral wire		The blue wire in a cable or plug.

7Jc – Model circuits

Word	Pronunciation	Meaning
atom		The smallest part of an element.
electron		Tiny particle that flows around a circuit.
model		A scientific way of thinking about how or why things happen.

7Jd – 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.

7Je – Electricity and you/Electric cars

Word	Pronunciation	Meaning
electric shock		The effect of electricity flowing through the body.
impulse		Electrical signal carried by a nerve cell.
nerve		Groups of special cells that carry messages around the body. Nerves are made of many nerve cells.

7Je – Focus on: Investigating electricity

No new words.