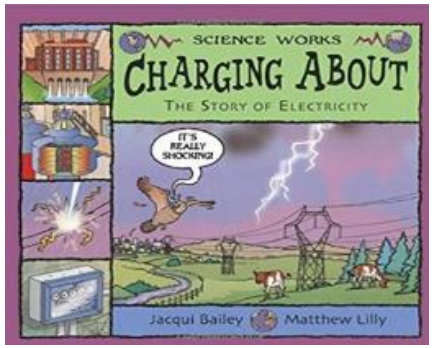
Year 4: What is Electricity? Knowledge Map

Subject Specific Vocabulary

circuit	An electrical circuit is a completed path through which an electrical current flows.
buzzers	A buzzer is an automatic signalling device. They are used as alarms and door bells.
conductor	A conductor is an object or type of material that allows the flow of an electrical current in one or more directions
battery	A battery is a device that stores chemical energy and makes it available in an electrical form.
cells	An electrical cell is a device that is used to generate electricity.
switch	A switch is an electrical component that can 'make' or 'break' an electrical circuit.
socket	Sockets allow electrical equipment to be connected to the alternating current (AC) power supply in buildings and at other sites.
appliance	An electrical appliance is a device that uses electricity to perform a function.
insulator	An insulator is a material that does not allow the flow of an electrical current

Interesting Book

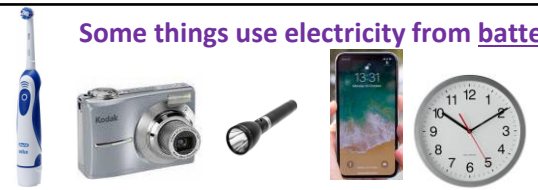


Useful information

Some things use electricity from the mains:



Some things use electricity from batteries:



Beware of electrical hazards



Sticky knowledge

All circuits need power (either batteries or mains electricity)

A conductor is an object or type of material that allows the flow of an electrical current in one or more directions

Metals for example copper, iron and steel are good conductors of electricity

An insulator is a material that does not allow the flow of an electrical current

Rubber and plastic are good insulators of electricity

Be able to construct a circuit like below:

