

Science Electricity



Year 4 Autumn Term

Key Learning	<u>Key Vocabulary</u>	
Many everyday appliances rely on electricity for them to work, some use mains	Electricity	The flow of an electric current through a material.
electricity (are plugged in to a socket), some use battery.	Appliances	A piece of equipment or device designed to perform a
A circuit needs to be complete so that electricity can flow and the components will		particular job such as a washing machine or mobile phone.
work. A circuit needs a source of electricity such as a battery to work.	Mains Electricity	Electricity supplied through wires to a building.
Switches can be used to open or close a circuit.	Battery	A device that stores electrical energy as a chemical. Two or
A corrige singuit is where the components are part as a complete loop		more cells joined together form a battery.
A series circuit is where the components are part of a complete loop.	Circuit	A pathway that allows electricity to flow around. It is based
Materials can be tested in a circuit to see if they are electrical conductors or electrical		around wires and a power supply.
insulators.	Electrical Conductors	A material that allows electricity to flow through it.
Metals make good electrical conductors.	Electrical Insulators	A material that does not allow electricity to flow through it.

<u>Components</u>			
Cell- a scientific name for a battery	Bulb-Lights up in a complete circuit.	Buzzer-Makes a noise in a complete circuit.	
Wires- Used to connect	Switch-Used to turn other		
components in a circuit.		Molor-Provides	
*Or -		movement in a complete	
		circuit.	

