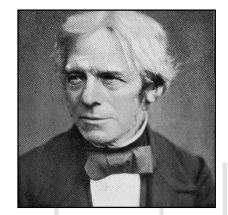
Salesbury Super 6 Knowledge Organiser for Science & DT

Learning Focus: Switched On – Electricity

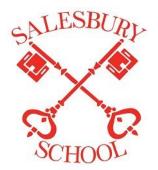
Key knowledge to learn Vocabulary

Michael Faraday made many discoveries to chemistry and electricity. William Gilbert was a physician and scientist who lead research in magnetism and invented the terms 'electricity' and 'force'. James Maxwell	•
showed that electricity and magnetism create waves of electromagnetic energy Current A flow of electricity which results ordered directional movement of	
The components that make up a series circuit and their electrically charged particles	
2 symbols: battery, cell, bulb, wire, buzzer, switch, motor, voltage A device used to generate elect	ricity
That to draw a series circuit scientifically you need to use	
3 correct symbols and straight lines An electrical force that makes el	ectricity
That the voltage of a circuit can be changed and this affects bulb brightness, or buzzer volume Voltage move through a wire, measured	,
Common appliances that use electricity are: toasters, lamps, kettles, laptops, games consoles, phones, torches, TVs, washing machines and irons. Some appliances use	s heat or
batteries and some use mains electricity A device for making and breaking	g the
Metals are often good conductors and include: silver, Switch connection in a circuit	0
gold, copper, steel and salt water	



Michael Faraday

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You can find out more by:h **Circuit symbols - BBC Bitesize** Battery Buzze **Electrical components - BBC Bitesize Electricity - KS2 Science - BBC Bitesize** Moto Switch (off Switch (on)

Salesbury Church of England Primary School – Curriculum Knowledge

Organiser.