Knowledge Organiser Year 6 Electricity When a light is switched on, you are sending a flow of electrons around the circuit. Metals such as copper, aluminium, zinc and gold are good conductors of electricity. Light bulbs turn electricity into light due to resistance.					
ROCKET WORDS Learn these words and their definitions.		onour	mistor LAMP	FACTOIDS: Can you find out more?	Composites
Key Word	Definition	SWITCH (closed)		Q1. How is static electricity created?	I know how objects become charged
static electricity	Electricity that collects on the surface of an object, which can cause an electric shock.	FUSE     GROUND     VOLTMETER     A1. Friction       →     _     _     ↓     ⊢     creates an el	A1. Friction on an object creates an electric charge. Q2. How does a wind-up	2 Know the different parts of an electric circuit	
filament	A thin piece of wire with a high melting point, used in bulbs.			torch work? It works through a dynamo which turns mechanical	Explain how voltage affects bulb brightness
voltage	An electric force which 'pushes' the electric current round the circuit.		A simple electric	energy to electrical energy through a simple electromagnet.	4 Compare electrical conductors and insulators
insulator	A material which doesn't conduct electricity.		circuit	Q3. How are insulators helpful?	Build a set of traffic lights
conductor	A material that electricity can flow through easily.			They prevent electric flow so you don't receive an electric shock!	To know how variable resistors can work like a switch
fuse	A safety device on a circuit that can stop current from flowing if it becomes overheated.	BATTERY +	<u>A</u>	Components: Electricity	
component	An individual part in an electronic circuit.			understanding what makes up a	Ferent types of electricity as well as a circuit. You will learn about this by building your own circuits. You will
variable resistor	A device which varies the amount of electric current allowed to flow through a circuit.		Atom structure	also think about what materials know about safety with electric the importance of saving energy	conduct and which insulate, so you ity. It will also help you learn about ly.
	Developing Experts		<ul> <li>Neutron</li> <li>Electron</li> </ul>	involve circuitry and installation	portant for many careers which n of electrical devices. It is also ck jobs safely and with knowledge.