mixed classes 23

Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	v3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha	Y3 Making It Move		Y4 Food and the	Y4 Grouping and	Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	Y5 Earth and Spa	Y5 Firedamp and	Ys Forces and M	Y5 Human Repro	Y5 Properties an	Y5 Sow, Grow an	Yo Circulatory Sy
Working scientifically	(KS1 15) P. of Study Ask simple questions and recognise that they can be answered in different ways.	2			1	2	0	2		1		0	0	1			3																		
Working scientifically	(P. of Study) Observe closely, using simple equipment.	2			1	1	2	3					2	1			1																		
Working scientifically	P. of Study Perform simple tests.	2			5	4		2				1	3	2			2																		
Working scientifically	(P. of Study) Identify and classify.	1	1		3	3	1	1				2	1	0			3																		
Working scientifically	P. of Study Use their observations and ideas to suggest answers to questions.	1			2	9	2	5		1			3	3			3																		
Working scientifically	(P. of Study) Gather and record data to help in answering questions.	3			3	2	1	2		3		1	4	2			2																		
Plants	(P. of Study) Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.						0	1																											
Plants	(P. of Study) Identify and describe the basic structure of a variety of common flowering plants, including trees.						3																												
Animals including humans	(P. of Study) Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	4				0																													
Animals including humans	P. of Study Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	2																																	

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Science	Coverage	Manual Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	v3 Light and Sha		Y3 KOCKS, Kelics	Y4 Electrical Circ	Y4 Food and the	Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	Y5 Earth and Spa	Y5 Firedamp and	Y5 Forces and M	Y5 Human Repro	Y5 Properties an	YS Sow, Grow an	Y6 Circulatory Sy
Animals including humans	Year1 2 P. of Study Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	1				1																													
Animals including humans	(P. of Study) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.					2																													
Everyday materials	Year1 4 P. of Study Distinguish between an object and the material from which it is made.				3				1																										
Everyday materials	(P. of Study) Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.				3				1																										
Everyday materials	(Year 1 3) P. of Study Describe the simple physical properties of a variety of everyday materials.				3																														
Everyday materials	Year1 3 P. of Study Compare and group together a variety of everyday materials on the basis of their simple physical properties.				3																														
Seasonal changes	Year 1 5 P. of Study Observe changes across the four seasons.							5																											
Seasonal changes	(Year1 3) (P. of Study) Observe and describe weather associated with the seasons and how day length varies.							3																											
Aims and purpose	(P. of Study) (optional) Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.	3				1	1	1		1					3									1								1	1	1	

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Muman Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha		Y3 Rocks, Relics	Y4 Electrical Circ	Y4 Food and the	Y4 Grouping and	Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	Y5 Earth and Spa	Y5 Firedamp and	Y5 Forces and M	Y5 Human Repro	Y5 Properties an	Ys Sow, Grow an	Y6 Circulatory Sy
Aims and purpose	(SSI Year 6 11) P. of Study (optional) Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.						3	6			1					1																				
Aims and purpose	P. of Study (optional) Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.			1																		1			1										2	
Living things and their habitats	P. of Study Explore and compare the differences between things that are living, dead, and things that have never been alive.											2																								
Living things and their habitats	P. of Study Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.									2		5		1																						
Living things and their habitats	P. of Study Identify and name a variety of plants and animals in their habitats, including microhabitats.									3		6		2																						
Living things and their habitats	P. of Study Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.									2		•																								
Plants	P. of Study Observe and describe how seeds and bulbs grow into mature plants.													3																						
Plants	P. of Study Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.													7																						
Animals including humans	P. of Study Notice that animals, including humans, have offspring which grow into adults.									5			3																							

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Science	Coverage	Y1 Animal Parts	M Bright Lights,		Y1 Plant Parts		Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	V2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M				Y4 Electrical Circ				Y5 Earth and Spa	Y5 Firedamp and	YS Forces and M	Y5 Human Repro	Ys Properties an		Y6 Circulatory Sy
Animals including humans	P. of Study Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).						4		5	1																					
Animals including humans	P. of Study Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.									2																					
Everyday materials	P. of Study Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.						2							3																	
Everyday materials	P. of Study Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.													1																	
Working scientifically	P. of Study Ask relevant questions and using different types of scientific enquiries to answer them.														2		1	1		2	1	2	2								
Working scientifically	P. of Study Set up simple practical enquiries, comparative and fair tests.														3		2	3	•	3	9 (3	2							
Working scientifically	P. of Study Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.														1		3	5		5				4							
Working scientifically	P. of Study Gather, record, classify and present data in a variety of ways to help in answering questions.														2		2	2		2		2	1	3							
Working scientifically	P. of Study Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.														2		2	2		2		2	1	3							

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	v3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha		Y3 Rocks, Relics	Y4 Electrical Circ	Y4 Food and the	Y4 Grouping and	Misty Mounta	Y4 Sound	Y4 States of Matt	Y5 Earth and Spa	Y5 Firedamp and	Y5 Forces and M	Y5 Human Repro	Y5 Properties an	YS Sow, Grow an	Y6 Circulatory Sy
Working scientifically	P. of Study Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.																1		3	2	2		2	2	4		1	2							
Working scientifically	P. of Study Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.																1		3	2	2		2	2	4		1	2							
Working scientifically	P. of Study Identify differences, similarities or changes related to simple scientific ideas and processes.																1		2	3	4		1	1	1			2							
Working scientifically	P. of Study Use straightforward scientific evidence to answer questions or to support their findings.																1		3	2	2		2	2	4		1	2							
Plants	P. of Study Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.																1				3														
Plants	P. of Study Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.																1				1														
Plants	P. of Study Investigate the way in which water is transported within plants.																				2														
Plants	(P. of Study) Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.																				3														
Animals including humans	P. of Study Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.																4	1																	

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Science	Coverage	M Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	v2 Remarkable R	Y2 Uses of Mater	v3 Animal Nutriti			Y3 Making It Move		Y4 Food and the	Y4 Grouping and	Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	Y5 Earth and Spa	Y5 Firedamp and	Y5 Forces and M	Y5 Human Repro	ys Properties an	Y5 Sow, Grow an	Y6 Circulatory Sy
Animals including humans	P. of Study Identify that humans and some other animals have skeletons and muscles for support, protection and movement.															4																
Rocks	P. of Study Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.																			1												
Rocks	P. of Study Describe in simple terms how fossils are formed when things that have lived are trapped within rock.																			1												
Rocks	P. of Study Recognise that soils are made from rocks and organic matter.																			1												
Light	P. of Study Recognise that they need light in order to see things and that dark is the absence of light.																	2														
Light	P. of Study Notice that light is reflected from surfaces.																•	3														
Light	P. of Study Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.																•	2														
Light	P. of Study Recognise that shadows are formed when the light from a light source is blocked by a solid object.																•	4														
Light	P. of Study Find patterns in the way that the size of shadows change.																	1														
Forces and magnets	P. of Study Compare how things move on different surfaces.																0															

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	v2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	v3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	v3 Light and Sha		Y3 Rocks, Relics	Y4 Electrical Circ	Y4 Food and the	Y4 Grouping and	Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	vs Earth and Spa	Y5 Firedamp and	YS Forces and M	Y5 Human Repro	Y5 Properties an	Y5 Sow, Grow an	Ye Circulatory Sy
Forces and magnets	Year 3 (a) P. of Study Notice that some forces need contact between two objects, but magnetic forces can act at a distance.																			3																
Forces and magnets	P. of Study Observe how magnets attract or repel each other and attract some materials and not others.																			1																
Forces and magnets	P. of Study Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.																			1																
Forces and magnets	P. of Study Describe magnets as having two poles.																			3																
Forces and magnets	P. of Study Predict whether two magnets will attract or repel each other, depending on which poles are facing.																			3																
Living things and their habitats	P. of Study Recognise that living things can be grouped in a variety of ways.																									8										
Living things and their habitats	P. of Study Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.																									8										
Living things and their habitats	P. of Study Recognise that environments can change and that this can sometimes pose dangers to living things.																								1		2									
Animals including humans	P. of Study Describe the simple functions of the basic parts of the digestive system in humans.																								1											

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	v3 Light and Sha		Ya Plant Nutritio	Y4 Electifical Cife			Y4 States of Matt	YS Earth and Spa	YS Firedamp and	Y5 Forces and M	Y5 Human Repro	Y5 Properties an	Y5 Sow, Grow an	Y6 Circulatory Sy
Animals including humans	P. of Study Identify the different types of teeth in humans and their simple functions.																							•										
Animals including humans	P. of Study Construct and interpret a variety of food chains, identifying producers, predators and prey.																							2										
States of matter	P. of Study Compare and group materials together, according to whether they are solids, liquids or gases.																										2							
States of matter	P. of Study Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).																										3							
States of matter	P. of Study Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.																								1)								
Sound	P. of Study Identify how sounds are made, associating some of them with something vibrating.																									4								
Sound	P. of Study Recognise that vibrations from sounds travel through a medium to the ear.																									4								
Sound	P. of Study Find patterns between the pitch of a sound and features of the object that produced it.																									1								
Sound	P. of Study Find patterns between the volume of a sound and the strength of the vibrations that produced it.																									1								
Sound	P. of Study Recognise that sounds get fainter as the distance from the sound source increases.																									0								

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Science	Coverage Year 4 1	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an			Y2 Animal Survival	Y2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha		_	£	44	Y4 Food and the	 Y4 Misty Mounta	Y4 Sound	Y4 States of Matt	YS Earth and Spa	Y5 Firedamp and	YS Forces and M	vs Human Repro	Y5 Properties an	Y5 Sow, Grow an	Y6 Britain at War	Y6 Circulatory Sy	IVA Danwin'e Dali
Electricity	P. of Study Identify common appliances that run on electricity.																					1													
Electricity	P. of Study Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.																					3													
Electricity	P. of Study Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.																					1													
Electricity	P. of Study Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.																					3													
Electricity	P. of Study Recognise some common conductors and insulators, and associate metals with being good conductors.																					2													
Working scientifically	P. of Study Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.																										1		6	4	6	1		3	5
Working scientifically	P. of Study Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.																												3	2	5			5	
Working scientifically	P. of Study Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.																												1	4	4			2	2
Working scientifically	UKS2 20 P. of Study Use test results to make predictions to set up further comparative and fair tests.																										1	1	2	2	4			1	•

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	Y2 Coastline		Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha			Y4 Food and the			Y5 Earth and Spa	Y5 Firedamp and	YS Forces and M	Y5 Human Repro	Y5 Properties an	Ys Sow, Grow an	Y6 Circulatory Sy	Manavin'e Dali
Working scientifically	P. of Study Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.																										0	0	2	2	4		1	1
Working scientifically	P. of Study Identify scientific evidence that has been used to support or refute ideas or arguments.																										1	1	2	2	4		0	1
Living things and their habitats	Year 5 (5) P. of Study Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.																													4		1		
Living things and their habitats	(P. of Study) Describe the life process of reproduction in some plants and animals.																													2		3		
Animals including humans	Year 5 5 P. of Study Describe the changes as humans develop to old age.																													5				
Properties and changes of materials	P. of Study Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.																											0			2			
Properties and changes of materials	P. of Study Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.																														1			
Properties and changes of materials	P. of Study Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.																														4			

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an		Yall Seasonal Cha			Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	V2 Uses of Mater	Y3 Animal Nutriti				Ya Making It Move	Y4 Electrical Circ	Y4 Food and the	Y4 Grouping and	Y4 Misty Mounta		YS Earth and Spa			ve Circulatory Sv	Ye Circulatory sy
Properties and changes of materials	P. of Study Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.																									2		
Properties and changes of materials	P. of Study Demonstrate that dissolving, mixing and changes of state are reversible changes.																									5		
Properties and changes of materials	P. of Study Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.																									5		
Earth and space	P. of Study Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.																							8				
Earth and space	P. of Study Describe the movement of the Moon relative to the Earth.																							3				
Earth and space	P. of Study Describe the Sun, Earth and Moon as approximately spherical bodies.																							3				
Earth and space	P. of Study Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.																							3				
Forces	P. of Study Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.																								1			
Forces	P. of Study Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.																								6			

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	v2 Coastline	Y2 Habitats	Y2 Human Survival	Y2 Plant Survival	Y2 Push and Pull	Y2 Remarkable R	Y2 Uses of Mater	Y3 Animal Nutriti	Y3 Cook Well, Ea	Y3 Forces and M	Y3 Light and Sha					Ys Earth and Spa	Y5 Forces and M	Ys Human Repro	Y5 Properties an	Y5 Sow, Grow an	Y6 Circulatory Sy
Forces	(P. of Study) Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.																										5				
Living things and their habitats	P. of Study Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals.																														1
Living things and their habitats	Year 6 3 P. of Study Give reasons for classifying plants and animals based on specific characteristics.																														
Animals including humans	P. of Study Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.																														4
Animals including humans	P. of Study Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.																														3
Animals including humans	P. of Study Describe the ways in which nutrients and water are transported within animals, including humans.																														1
Evolution and inheritance	P. of Study Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.																														1
Evolution and inheritance	P. of Study Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents																														3

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Science	Coverage	Y1 Animal Parts	Y1 Bright Lights,	Y1 Chop, Slice an	Y1 Everyday Mat	Y1 Human Senses	Y1 Plant Parts	Y1 Seasonal Cha	Y1 Shade and Sh	Y2 Animal Survival	v2 Coastline	Y2 Habitats	Y2 Human Survival			Y2 Remarkable R							Y3 Plant Nutritio				YS Earth and Spa	YS Firedamp and	YS Forces and M	vs Human Repro	Y5 Properties an	Y5 Sow, Grow an		Ye Circulatory Sy
Evolution and inheritance	P. of Study Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.																																	•
Light	P. of Study Recognise that light appears to travel in straight lines.																																1	
Light	P. of Study Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.																																	
Light	P. of Study Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.																																	
Light	P. of Study Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.																																1	
Electricity	P. of Study Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.																																	
Electricity	P. of Study Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.																																	
Electricity	(P. of Study) Use recognised symbols when representing a simple circuit in a diagram.																																	



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