Science progression of knowledge, skills and vocabulary

EYFS	Characteristics of effective learning	Early Learning Goals
Enquiry Skills	Show curiosity about objects, events and people Questions why things happen Engage in open-ended activity Take a risk, engage in new experiences and learn by trial and error Find ways to solve problems / find new ways to do things / test their ideas Develop ideas of grouping, sequences, cause and effect Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world Use senses to explore the world around them Make links and notice patterns in their experiences Create simple representations of events, people and objects Build up vocabulary that reflects the breadth of their experience	Choose the resources they need for their chosen activities Handle equipment and tools effectively Answer how and why questions about their experiences Make observations Develop their own narratives and explanations by connecting ideas or events Explain why some things occur and talk about changes
Knowledge and understanding of the world	Know about the similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from They make observations of animals and plants and explain why some things occur, and talk about change	

Working Scientifically	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plan	Ask simple questions when prompted Suggest ways of answering a question	Ask simple questions Recognise that questions can be answered in different ways	Ask relevant questions when prompted Use different types of scientific enquiry to answer them. Set up simple and practical enquiries, comparative and fair tests with some support.	Ask relevant questions. Use different types of scientific enquiries to answer their questions Set up simple and practical enquiries, comparative and fair tests	Plan different types of scientific enquiries to answer questions. With prompting, recognise and control variables where necessary	Plan different types of scientific enquiries to answer questions Recognise and control variables where necessary
Do	Make relevant observations using simple equipment Conduct simple tests, with support Identify and classify with guidance	Observe closely, using simple equipment Perform simple tests Identify and classify	Make systematic and careful observations, using simple equipment Use standard units when taking measurements	Make systematic and careful observations using a range of equipment, including thermometers and data loggers Take accurate measurements using standard units, where appropriate	Select, with prompting, and use appropriate equipment to take readings Take precise measurements using standard units Begin to understand the need for repeat readings	Use a range of scientific equipment to take measurements Take measurements with increasing accuracy and precision Take repeat readings when appropriate
Record	Gather and record data	Record and communicate their findings in a range of ways and begin to use simple scientific language Gather and record data to help answer questions	With modelling and guidance, gather, record, classify and present data in a variety of ways to help to answer questions With prompting, use various ways of recording, grouping and displaying evidence and suggest how findings may be tabulated	Gather, record, classify and present data in a variety of ways to help to answer questions Record findings using simple scientific language, drawings and labelled diagrams Record findings using keys, bar charts, and tables	Take and process repeat readings Record data and results Record data using labelled diagrams, keys, tables and charts Use line graphs to record data	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar charts and line graphs
Review	Recognise findings Use their observations and ideas to suggest answers to simple questions	Use their observations and ideas to suggest answers to simple questions	With prompting, suggest conclusions from enquiries Suggest how findings could be reported	Report on findings from enquiries, including oral and written explanations, of results and conclusions	Report and present findings from enquiries, including conclusions and, with prompting, suggest causal relationships	Report and present findings from enquiries, including conclusions and causal relationships

			Suggest possible improvements or further questions to investigate	Report on findings from enquiries using displays or presentations Identify differences, similarities or changes related to simple scientific ideas and processes Use straightforward scientific evidence to answer questions or to support their findings Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions	With support, present findings from enquiries orally and in writing Suggest further comparative or fair tests	Report and presents findings from enquiries in oral and written forms such as displays and other presentation Report and present findings from enquiries, including explanations of, and degree of, trust in results Identify scientific evidence that has been used to support or refute ideas or arguments Use test results to make predictions to set up further comparative and fair tests
Vocabulary	Questions, answers, equipment, gather, measure, record, results, sort, group, test, explore, observe, compare, describe, similar/ities, different/ces, beaker, pipette, syringe	Previous vocab plus observe changes over time, notice patterns, secondary sources, hand lenses, egg timers, identify, classify, data,	Previous vocab plus scientific enquiry changes over time, notice patterns, secondary sources, comparative tests, fair tests, careful, accurate, observations, equipment, gather, measure, record, data, evidence, results, keys, bar charts, table, results, conclusions, predictions, support, thermometers	Previous vocab plus enquiry types increase, decrease, identify, classify, order, notice patterns, relationships, appearance, present results, data loggers	Previous vocab plus, notice patterns, relationships, independent variable, dependent variable, controlled variable, accuracy, precision, degree of trust, classification keys, scatter graphs, line graphs, causal relationships, support/refute, data loggers	Previous vocab plus opinion/fact, confidently name scientific enquiry types
Areas of Study Animals	Year 1 Identify and name a variety of	Year 2 Understand that animals,	Year 3 Identify that animals, including	Year 4 Describe the simple functions of	Year 5 Describe the changes as humans	Year 6 Identify and name the main parts
including humans	common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	including humans, have offspring which grow into adults Describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat identify that humans and some other animals have skeletons and muscles for support, protection and movement	the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.	develop to old age.	of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. Describe the ways in which nutrients and water are transported within animals, including humans (see also Evolution and inheritance)
Vocabulary	Body, head, neck, arms, elbows, legs, knees, face, ears, eyes, eyebrows, eyelashes, nose, hair, mouth, teeth, tongue, feet, toes, fingers, nails, ankle, calf, thigh, hips, waist, trunk, chest, shoulders, back, hands, wrist, tail, wing, claw, fin, scales, feathers, fur, beak, senses, hearing, seeing, touching, smelling, tasting, smooth, bright, dim, loud, quiet, high, low	offspring, life cycles, grow, change, adults, basic needs, water, food, air survival, exercise, food types (fruit and veg, bread, rice, pasta, milk, dairy, foods high in fat and sugar, meat, fish, eggs, beans), hygiene	Nutrition, food types, carbohydrates, protein, vitamins and minerals, fat, sugar, fruits and veg, dietary fibre, water, balanced diet, slelton, muscles, support, protection, movement, names of bones, vertebrate, invertebrate	Digestive system, nutrition, mouth, teeth, canine, incisor, molar, pre-molar, saliva, tongue, rip, tear, chew, grind, cut, oesophagus (gullet), stomach, small intestine, large intestine, rectum, anus, carnivore, herbivore, omnivore, producer, consumer, predator, prey, food chain		Circulatory system, heart, blood, blood vessels, pumps, oxygen, carbon dioxide, lungs, nutrients, water, diet, exercise, drugs, lifestyle, evolution, suited/suitable, adapted, adaptation, offspring, reproduction, variation, inherit, inheritance, fossils

	Evoloro and compare the	[Pocognico that living things say	Describe the differences in the	Describe how living things are
					Describe how living things are classified into broad groups
	_				according to common
	0, , 0		•		observable.characteristics and
					based on similarities and
				animals.	differences, including micro-
	suited and describe how		environment.		organisms, plants and animals.
	different habitats provide for the		Recognise that environments		Give reasons for classifying
	basic needs of different kinds of		can change and that this can		plants and animals based on
	animals and plants, and how		sometimes pose dangers to		specific characteristics (see
	they depend on each other.		living things.		also Evolution and inheritance)
	Identify and name a variety of				
	plants and animals in their				
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			Classification keys, environment,	Life cycle, reproduction, sexual.	Organism, micro-organism,
	names of local habitats, lond,			asexual, germination, pollination,	fungus, mushrooms,
	woodland, meadow, name micro		mammals, vertebrates,	seed formation, seed dispersal,	classification keys, environment,
	habitats, under log, stony path,		invertebrates, names of them,	pollen, stamen, stigma, plantlets,	fish, amphibians, reptiles, birds,
	under bushes, suited, basic		human impact, positive,	runners, mammal, amphibian,	,mammals, vertebrates,
	needs, depend, food, food chain,		negative (impact).	insect, bird, fish, reptile, eggs,	invertebrates, name some of
	shelter			live young	these, arachnid, mollusc, insect,
					crustacean
					- (see Evolution and inheritance)
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nowening plants, including trees.	licating	-			
		in which water is			
		transported within			
		plants			
		Explore the part that flowers			
		play in the life cycle of			
		flowering plants, including			
		pollination,			
Names of: wild plants garden	soods hulbs water light				
pants, flowering plants, trees,	growth, healthy, shoot, seedling,	fruit, root, bulb, seed trunk,			
	i gruwin, nealiny, shoot, seedling,	mun, rool, buid, seed trunk,	1		
	8 , ,				
leaf, flower, blossom, petal, fruit,	g , , , ,	branch, stem, water, light, air,			
leaf, flower, blossom, petal, fruit, berry, root, bulb, seed, trunk,	a	branch, stem, water, light, air, nutrients, soil, fertiliser, grow,			
leaf, flower, blossom, petal, fruit,	B , , ,	branch, stem, water, light, air,			
	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees.	different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats. 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 foodLiving, dead, never been alive, names of local habitats, lond, woodland, meadow, name micro habitats, under log, stony path, under bushes, suited, basic needs, depend, food, food chain, shelterIdentify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees.Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants 	differences between things that have never been alive. 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. Identify and name a variety of plants and animals in their habitats. 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 foodIdentify and name a variety of plants and animals in their habitats. 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 foodIdentify and name a variety of common wild and garden plants, including deciduous and evergreen trees ludentify and describe the basic structure of a variety of common flowering plants, including trees.Identify and caser of barse and bulbs grow into mature plants ered water, light and a suitable temperature to grow and stay healthyIdentify and describe the basic structure of a variety of common flowering plants, including trees.Names of: wild plants, gardenNames of: wild plants, gardenNames of: wild plants, gardenNames of: wild plants, gardenseeds, bulbs, water, light,Identify and seeds, bulbs, water, light, diver, libesom, petal,	differences between things that are living, dead, and things things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different habitats of out and basic, and how they depend on each other. Identify and name a variety of plants and animals and plants, and how they depend on each other. Identify and name a variety of plants and names a variety of plants and name a variety of habitats. Describe how animals obtain their focal and habitats, found they focal habitats, found they focal habitats, found they depend on each other. Identify and name a variety of plants and name a variety of plants and name different shows and simple food chain, and identify and name different shows and simple food chain, and identify and name different shows and sources of foodClassification keys, environment, fish, amphibians, reptiles, birds, mamals, vertebrates, liv	differences between things that have never been alive. left wing, dead, and things that have never been alive. left wing things live in tabitats to which they are suited and describe how different tabitats provide for the basic needs of different tabitats provide for the basic needs of the different tabitats of the habitats. Describe how animals obtain the food form plants and other names of local habitats, lond, woodiand, meedow, name micro habitats, under bushes, suited, basic shefterLife type needs describe how seed food of different parts of fib. ampiblians, reptiles, brids, marmal, yetterbates, names of local habitats, lond, marmal, meedwater tabitats, nond, names of local habitats, lond, marmal, meedwater tabitats, nond, no advective be now and stary healths, under bushes, suited, basic the duck of a different parts of fib. ampiblians, reptiles, positive, needs, depend, food, food chain, shefterIdentify and describe how seed fib. ampiblians, reptiles, positive, need, depend, food, food chain, need water, light and a suitable plants for fife and grave fully, healthy in which water is transported within plants. the verong plants including polin

Seasonal	Observe changes across the four					
	seasons - observe and describe					
change	weather associated with the					
	seasons and how day length varies					
Vocabulary	Season, spring, summer,					
, , , ,	autumn, winter, weather, hot,					
	warm, cool cold, sunny, cloudy,					
	windy, rainy, snowing, hailing,					
	sleet, frost, fog, mist, icy,					
	rainbow, thunder, lightning,					
	storm, light, dark, day, night					
Everyday	Distinguish between an object	Identify and compare the		Compare and group materials	Compare and group together	
materials (Y1)	and the material from which it is	suitability of a variety of		together, according to whether	everyday materials on the basis	
	made.	everyday materials, including		they are solids, liquids or gases.	of their properties, including	
Uses of	Identify and name a variety of	wood, metal, plastic, glass, brick,		Observe that some materials	their hardness, solubility,	
	everyday materials, including	rock, paper and cardboard for		change state when they are	transparency, conductivity	
everyday	wood, plastic, glass, metal, water, and rock.	particular uses find out how the shapes of solid objects made		heated or cooled, and measure	(electrical and thermal), and	
materials (Y2)	Describe the simple physical	from some materials can be		or research the temperature at which this happens in degrees	response to magnets. Know that some materials will dissolve in	
	properties of a variety of	changed by squashing, bending,		Celsius (°C).	liquid to form a solution, and	
States of	everyday materials.	twisting and stretching.		Identify the part played by	describe how to recover a	
matter (Y4)	Compare and group together a			evaporation and condensation in	substance from a solution	
matter (14)	variety of everyday materials on			the water cycle and associate	Use knowledge of solids, liquids	
	the basis of their simple physical			the rate of evaporation with	and gases to decide how	
Properties and	properties.			temperature	mixtures might be separated,	
changes of					including through filtering,	
materials (Y5)					sieving and evaporating.	
					Give reasons, based on	
					evidence from comparative and	
					fair tests, for the particular uses	
					of everyday materials, including	
					metals, wood and plastic.	
					Demonstrate that dissolving,	
					mixing and changes of state are	
					reversible changes	
					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	
Vocabulary	Object, material, wood, plastic,	Suitable/unsuitable, use, object,		States of matter, solid, liquid,	Y4 plus rigid, hard, soft, stretchy,	
, coulding	glass, metal, water, rock, brick,	material, property, wood, plastic,		gas, air, oxygen, powder,	flexible, waterproof, absorbant,	
	paper, fabric, elastic, foil,	glass, metal water, rock, fabrics,		grainular/grain, crystals, change	electrical/thermal conductivity,	
	cardboard, rubber, wool, clay,	hard, soft, stretchy, flexible,		state, ice/water/steam, water	melting, dissolve, solution,	
	hard, soft, stretchy, stiff, bendy,	waterproof, absorbent,		vapour, heating, cooling,	insoluble, solute, solvent,	
	waterproof, absorbent, tear,	transparent, translucent,		temperature, degrees celcius,	particle, mixture, filtering,	
	rough, smooth, shiny, dull, see	opaque, shape, change, twist,		melt, freeze, solidify, melting	sieving, residue, reversible/non	
	through, not see through	squash, bend, stretch, roll,		point, boil, boiling point,	reversible changes, new	
		squeeze		evaporation, condensation,	material, burning, rusting,	
				water		
			1	cycle, precipitation, transpiration	1	1

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Rocks	Compare and group together			see Evolution and inheritance
	different kinds of rocks on the			
	basis of their appearance and			
	simple physical properties.			
	Describe in simple terms how			
	fossils are formed when things			
	that have lived are trapped			
	within rock.			
	Recognise that soils are made			
	from rocks and			
	organic matter.			
Vocabulary	Rock, stone, pebble, boulder,			
vocabalary	soil, fossils, grains, crystals,			
	texture, absorb water, let water			
	through, marble, chalk, granite,			
	sandstone, slate, sandy soil, clay			
	soil, chalky soil, peat,			
Light (Y3 and 6)	Recognise that they need light	Identify how sounds are made,		recognise that light appears to
	in order to see things and that	associating some of them with		travel in straight lines
	dark is the absence of light.	something vibrating.		use the idea that light travels in
Sound (Y4)	Notice that light is reflected	Recognise that vibrations from		straight lines to explain that
· · · ·	from surfaces.	sounds travel through a		objects are seen because they
	Recognise that light from the	-		
	0	medium to the ear.		give out or reflect light into the
	sun can be dangerous and that	Find patterns between the pitch		eye
	there are ways to protect their	of a sound and features of the		explain that we see things
	eyes.	object that produced it.		because light travels from light
	Recognise that shadows are	Find patterns between the		sources to our eyes or from light
	formed when the light from a	volume of a sound and the		sources to objects and then to
	light source is blocked by a solid	strength of the vibrations that		our eyes
	object.	produced it. Recognise that		use the idea that light travels in
	Find patterns in the way that	sounds get fainter as the		straight lines to explain why
	the size of shadows change	distance from the sound source		shadows have the same shape as
		increases.		the objects that cast them.
Vocabulary	Light, light source, darkness,	Sound, sound source, noise,		Light, light source, darkness,
	reflect, reflective, mirror,	vibration, travel, solid, liquid,		reflect, reflective, shadow, block,
	shadow, block, direction,	gas, pitch, tune, high, low,		absorb, direction, transparent,
	transparent, opaque,	volume, loud, quiet, fainter,		opaque, translucent
	translucent	muffle, strength of vibrations,		
		insulation, instrument,		
		percussion, strings, bass,		
		woodwind, tuned		
		instrument		
Forces and	 compare how things move on 		 explain that unsupported 	
magnets (Y3)	different surfaces		objects fall towards the Earth	
ind Briets (15)	- notice that some forces need		because of the force of gravity	
	contact between two objects,		acting between the Earth and	
Forces (Y5)	but magnetic forces can act at a		the falling object - identify the	
	distance - observe how magnets		effects of air resistance, water	
	attract or repel each other and		resistance and friction, that act	
	attract some materials and not		between moving surfaces -	
	others - compare and group		recognise that some	
	together a variety of everyday		mechanisms, including levers,	
	materials on the basis of		pulleys and gears, allow a	
	whether they are attracted to a		smaller force to have a greater	
	magnet, and identify some		effect.	
	magnet, and identity some			

Vocabulary Image: dis hwight so does - predict whether two magests is hwight wo does - predict whether two magests is hwight wo does - predict whether two magests is hwight wo does - predict whether two magests is may be appending on which appending on the appending on which appending on which appending on which appending on which appending on the appending appending appending on the appending appending appe						
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Image: Constant force, more policy are facing force, contact force, non contact force, magnetic force,			•			
Vocabulary Porce, contact force, non contact force, magnetic force, magnet, strength, bar/ing/buton/horseshoe magnete, antercial, metal, iron, steel, non magnetic, poles, noth/south pole Fail, Earth, gravity, weight, mass, ir resistance, verse, pulleys, gears, force, transfers Electricity Identify common appliances that run on electricit (cruit, identify) whether or not a lamp will light in a simple series circuit, ibeard on whether or not tainan will based on whether or not tainan will conductors and to public to buse the public to buse symbolic whether or not tainan public towhethet base conductors and tore whether or not tainan p						
Vocabulary contact force, magnetic force, magnetic force, magnetic force, magnetic strength, magnetic material, icon, steel, non magnetic, poles, north/south pole identify common appliances that run on electricity. Construct a simple series force, transfers - associate the brightness of a liang or the volume of a buzzer with the number and voltage of cells used in the court brightness of a liang or the volume of a buzzer, bulks, switches and buzzers, and the colorid poles and the colorid poles and the colorid poles and the colorid poles. - associate the brightness of a liang or the volume of a buzzer with the number and voltage of cells used in the circuit. I dentify thether or not a liang will light in a simple series circuit, light in a simple series circuit, based on whether or not the limp is part of a complete loop with the volume of abuzzers and the colorid poles. - associate the brightness of a liang or the volume of a buzzer so a liang will light in a simple series circuit, light in a simple series circuit, light in a simple series circuit. Recognise that a witch opens and the colorid possible of a butter, series complete loop with with whether or not a liang lights in a simple series circuit. Recognise that a with being good conductors. Vocabulary Vocabulary Electricity, appliance, device, or marks, plug, central circuit, complete conductors. Electricit, appliance, device, or marks, plug, electricit circuit, complete circuit, complete core, conductors. Electricit, appliance, device, or not, pagitor, conductors.	Manala da mu				Fall Farth gravity weight mass	
Image:	vocabulary					
Image:						
Image: transfers mage: transfers gears, force, transfers Electricity Identify common appliances hat including calls, including calls, including calls, witchs, and parzers, including calls, witches, and the on/off parse calls, witch being the parts, including calls, witches, and parzers, including calls, witches, and witch opens, and the on/off parse calls, witch being and the on/off parse calls, witch being and the on/off parse calls, witch and associate this with whether or not a lamp will light in a simple series circuit. Recognise some common conductors and insultors, and insultors, and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insultors, and i						
Image the second state of the second state sec						
Image: constraint of the second sec					gears, force, transfers	
Image: Construct of the second seco			-			
ElectricityIdentify common appliances that run on electricity. Construct a simple series electrical circuit, lidentifyfing and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identifyfing and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify there 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 based on whether or not the lamp signed the on/off position in low components and the convertient of symbols when representing a simple for each series circuit. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple god conductors.Electricity, appliance, device, electricit, complete circuit, circuit diagram, circuit, simpli, components, cell, battery, positive/negative, complete circuit, circuit diagram, circuit, simple, complete, compl						
Vocabulary Vocabulary Image: Comparison of the comparison o			north/south pole	Identify common applications that		acception the brightness of a
VocabularyVocabularyElectricity appliance, device, enterty, positive / appliance, device, electricity appliance, d	Electricity					
VocabularyElectricity appliance, device, mains, plug, electrical circuit, components, cell, battery, components, cell,				-		•
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VocabularyVocabularyLettricity, appliance, device, mather, positive, rangetElectricity, appliance, device, mather, positive, ranget, eligElectricity, appliance, device, mather, positive, regative, connection, shortElectricity, appliance, device, mather, positive, negative, tornaction, short						
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VocabularyVocabularyAnd the on/off position of a complete loop with a based on whether or not the lamp is part of a complete loop with a battery. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.and the on/off position of switches- use recognised symbols when representing a simple circuit in a diagram.VocabularyElectricity, appliance, device, and susce the circuit, circuit diagram, circuit symbol, components, cell, battery, positive, negative, connect, connection, shortElectricity, appliance, device, terminal, connection, shortElectricity, connection, short						
Vocabulary Electricity, appliance, device, mains, plug, electrical circuit, components, cell, battery, positive, negative, connect, connect, on short Electricity, appliance, device, terminal, connection, short Switches - use recognised symbols when representing a simple circuit in a diagram. Vocabulary Image: Comparison of the symbol components, cell, battery, positive, negative, terminal, connection, short Image: Comparison of the symbol components, cell, battery, positive, negative, terminal, connection, short Image: Comparison of the symbol components, cell, battery, positive, negative, terminal, connection, short						
Vocabulary Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, connection, short Symbols when representing a simple circuit in a diagram. Vocabulary Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, complete circuit, complete circuit, complete circuit, complete circuit, complete circuit, connection, short Electricity, appliance, device, electrical circuit, symbol, components, cell, battery, positive, negative, connection, short				•		
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Vocabulary Image: Complete Circuit, Circuit Giagram, Circuit Circuit, Symbol, Components, Cell, Dattery, positive, negative, Connect, Connection, short Not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being god conductors. Recognise some common conductors and insulators, and associate metals with being god conductors. Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, circuit diagram, circuit complete circuit, circuit diagram, circuit complete circuit, circuit diagram, circuit circuit diagram, circuit circuit, positive, negative, connect, connection, short Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, circuit diagram, circuit circuit, positive, negative, connect, connection, short Electricity, appliance, device, mains, plug, electrical circuit, circuit diagram, circuit circuit, complete circuit, circuit diagram, circuit circuit, connection, short						diagram.
Vocabulary Image: Constant of the series of the series circuit c						
Recognise some common conductors and insulators, and associate metals with being god conductors.Recognise some common 						
Image: Conductor serviceConductors and insulators, and associate metals with being good conductors.Electricity, appliance, device, electrical circuit, complete circuit symbol, components, cell, battery, positive/negative, connect, connection, shortElectricity, appliance, device, electrical circuit, complete circuit diagram, circuit symbol, components, cell, battery, positive/negative, connect, connection, shortElectricity, appliance, device, electrical circuit, symbol, components, cell, battery, positive, negative, terminal, connection, short						
Image: series of the series				5		
Image: series of the series				-		
Vocabulary Electricity, appliance, device, mains, plug, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, connect, connection, short Electricity, appliance, device, electrical circuit, complete circuit, complete symbol, components, cell, battery, positive, negative, terminal, connection, short				-		
mains, plug, electrical circuit, electrical circuit, complete complete circuit, circuit diagram, circuit, circuit diagram, circuit, circuit symbol, components, cell, symbol, components, cell, battery, positive/negative, battery, positive, negative, connect, connection, short terminal, connection, short				-		
complete circuit, circuit diagram, circuit, circuit diagram, circuit, circuit diagram, circuit, circuit diagram, circuit, circuit symbol, components, cell, symbol, components, cell, battery, positive/negative, battery, positive, negative, connect, connection, short terminal, connection, short	Vocabulary					
circuit symbol, components, cell, battery, positive/negative, connect, connection, short terminal, connection, short						
battery, positive/negative, connect, connection, short battery, positive, negative, terminal, connection, short						-
connect, connection, short terminal, connection, short						
circuit, wire, crocodile clip, bulb, circuit, wire, crocodile clip, bulb,						
bright/dim, switch, buzzer, bright/dim, switch, buzzer,						
motor, faster/slower, conductor, volume, motor, conductor,				motor, faster/slower, conductor,		
insulator, metal/non metal insulator, voltage, current,				insulator, metal/non metal		insulator, voltage, current,
resistance,						resistance,
Earth and Space describe the movement of the	Earth and Space					
Earth, and other planets, relative					-	
to the Sun in the solar system -						
describe the movement of the					describe the movement of the	
Moon relative to the Earth -						
describe the Sun, Earth and						
Moon as approximately spherical					Moon as approximately spherical	
bodies - use the idea of the						
Earth's rotation to explain day					Earth's rotation to explain day	
and night and the apparent						

			movement of the sun across the sky.	
Vocabulary			Earth, planets, sun, solar syatem, moon, celestial body, spherical, rotation, spin, night and day, names of planets, dwarf planet, orbit, geocentric model, heliocentric model, shadow clocks, sunidals, astronomical clocks	
Evolution and Inheritance				recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
Vocabulary				Characteristics, inheritance, adaptation, evolution, natural selection, fossil, adaptive traits, inherited traits, extinction