



Science Progression Grid – 2023-2024

	EYFS					
ELG- Communication and	Listening, Attention and	Children at the expected level of development will:				
Language	Understanding	Make comments about what they have heard and ask questions to clarify their understanding.				
ELG – Physical	Health and Self Care	Children at the expected level of development will:				
Development		Manage their own basic hygiene and personal needs, including dressing, going to the toilet and				
		understanding the importance of healthy food choices.				
ELG – Understanding the	The Natural World	Children at the expected level of development will:				
World		Explore the natural world around them, making observations and drawing pictures of animals and plants.				
		Know some similarities and differences between the natural world around them and contrasting				
		environments, drawing on their experiences and what has been read in class.				
		Understand some important processes and changes in the natural world around them, including the seasons				
		and changing states of matter.				

	WORKING SCIENTIFICALLY - QUESTIONING							
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
NC Aims	Ask simple questions can be answered in d	and recognise that they ifferent ways.	Ask relevant questions of scientific enquiries t	and use different types to answer them.	 Identify scientific evi used to support or re arguments. 			
Skills	Ask simple scientific questions.	Ask and answer scientific questions about the world around them.	Ask questions about the world around them and explain that they can be answered in different ways.	Ask relevant scientific questions, independently, about the world around them and begin to identify how they can answer them.	Use relevant scientific vocabulary to report on their findings, answer questions and justify their conclusions based on evidence collected, identify improvements, further questions and predictions.	Report on and validate their findings. Answer questions and justify their methods, opinions and conclusions. Use their results to suggest improvements to their methodology, separate facts from		













						opinions, pose further questions and make predictions for what they might observe.
Knowledge	Question words include what, why, how, when, who and which.	Questions can help us find out about the world.	Questions can help us find out about the world and can be answered in different ways.	Questions can help us find out about the world and can be answered using scientific enquiry.	The results are information, such as measurements or observations, that have been collected during an investigation. A conclusion is an explanation of what has been discovered using evidence collected.	The results are information (measurements or observations) that have been collected during an investigation. A conclusion is an explanation of what has been discovered, using correct, precise terminology and collected evidence.

	WORKING SCIENTIFICALLY – PLANNING AND PREDICTING								
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims			Set up simple practical enquiries, comparative and fair tests		 Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. 				
Skills	With support, follow instructions to perform simple tests and begin to talk about what they might do or what might happen.	Follow a set of instructions to perform a range of simple tests, making simple predictions for what might happen and suggesting ways to answer their questions.	Set up and carry out some simple, comparative and fair tests, making predictions for what might happen.	Begin to independently plan, set up and carry out a range of comparative and fair tests, making predictions and following a method accurately.	Ask a wide range of relevant scientific questions that broaden their understanding of the world around them and identify how they can answer them. Plan and carry out a range of enquiries,	Ask and answer deeper and broader scientific questions about the local and wider world that build on and extend their own and others' experiences and knowledge.			













				including writing	Plan and carry out a
				methods, identifying	range of enquiries,
				variables and making	including writing
				predictions based on	methods, identifying
				prior knowledge and	and controlling
				understanding.	variables, deciding on
					equipment and data
					to collect and making
					predictions based on
					prior knowledge and
					understanding.
Simple tests can be	Tests can be carried	Tests can be set up and	Scientific enquiries can	Questions can help us	Questions can help us
carried out by follow	ing out by following a set	carried out by following	be set up and carried	find out about the	find out about the
a set of instructions.	of instructions. A	or planning a set of	out by following or	world and can be	world and can be
	prediction is a guess for	instructions. A prediction	planning a method. A	answered using a	answered using a
	what might happen in	is a best guess for what	prediction is a	range of scientific	range of scientific
	an investigation.	might happen in an	statement about what	enquiries.	enquiries, including
		investigation based on	might happen in an		fair tests, research
		some prior knowledge.	investigation, based on	A method is a set of	and observation.
			some prior knowledge	clear instructions for	
			or understanding. A fair	how to carry out a	A method is a set of
			test is one in which	scientific investigation.	clear instructions for
Knowledge			only one variable is	A prediction is a	how to carry out a
			changed and all others	statement about what	scientific
			remain constant.	might happen in an	investigation,
				investigation based on	including what
				some prior knowledge	equipment to use and
				or understanding.	observations to
					make.
					A variable is
					something that can be
					changed during a fair
					Changed during a fair



		The same of the sa	
			A prediction is a
			statement about what
			might happen in an
			investigation based on
			some prior knowledge
			or understanding.

	WORKING SCIENTIFICALLY – OBSERVING AND MEASURING							
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
NC Aims	Observing closely, using simple equipment.		Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.		 Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. 			
Skills	With support, use simple equipment to measure and make observations.	Use simple equipment to measure and make observations.	Take measurements in standard units, using a range of simple equipment. Make increasingly careful observations, identifying similarities, differences and changes, and making simple connections.	Take accurate measurements in standard units, using a range of equipment. Begin to choose which observations to make and for how long and make systematic, careful observations and comparisons, identifying changes and connections.	Take increasingly accurate measurements, in standard units, using a range of chosen equipment. Within a group, decide which observations to make, when and for how long, and make systematic and careful observations, using them to make comparisons, identify	Take accurate, precise and repeated measurements in standard units, using a range of chosen equipment. Independently decide which observations to make, when and for how long and make systematic and careful observations, using them to make comparisons, identify		













					changes, classify and make links between cause and effect.	changes, classify and make links between cause and effect.
Knowledge	Simple equipment is used to take measurements and observations. Examples include; metre sticks, measuring tapes, egg timers and hand lenses.	Simple equipment is used to take measurements and observations. E.g. timers, hand lenses, metre sticks and trundle wheels.	Equipment is used to take measurements in standard units. Examples include data loggers plus sensors, timers (seconds, minutes and hours), thermometers (°C) and metre sticks (millimetres, centimetres and metres). Taking repeat readings can increase the accuracy of the measurement. An observation involves looking closely at objects, materials and living things, which can be compared and grouped according to their features.	Equipment is used to take measurements in standard units. Examples include data loggers plus sensors, timers (seconds, minutes and hours), thermometers (°C), and metre sticks, rulers or trundle wheels (millimetres, centimetres, metres). An observation involves looking closely at objects, materials and living things. Observations can be made regularly to identify changes over time.	Specialised equipment (data loggers plus sensors, such as light (lux), sound (dB) and temperature (°C); timers (seconds, minutes and hours); thermometers (°C), and measuring tapes (millimetres, centimetres, metres) is used to take measurements in standard units. An observation involves looking closely at objects, materials and living things. Accurate observations can be made repeatedly or at regular intervals to identify changes over time.	specialised equipment (data loggers plus sensors, such as light (lux), sound (db) and temperature (°C); timers (seconds, minutes and hours); thermometers (°C) and measuring tapes (millimetres, centimetres, metres). is used to take accurate measurements in standard units. An observation involves looking closely at objects, materials and living things. Accurate observations can be made repeatedly or at regular intervals to identify changes over time, identify processes and make comparisons.







	WORKING SCIENTIFICALLY – EXPERIMENTING								
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims	Identifying and classi	Identifying and classifying		Gather, record, classify and present data in a variety of ways to help in answering questions.		 Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. 			
Skills	Observe objects, materials, living things and changes over time, sorting and grouping them based on their features.	Observe objects, materials, living things and changes over time, sorting and grouping them based on their features and explaining their reasoning.	Gather and record findings in a variety of ways (diagrams, tables, charts and graphs) with increasing accuracy.	Gather, record, classify and present observations and measurements in a variety of ways (pictorial representations, timelines, diagrams, keys, tables, charts and graphs).	Gather and record data and results of increasing complexity, selecting from a range of methods (scientific diagrams, labels, classification keys, tables, graphs and models).	Choose an appropriate approach (scientific diagrams, labels, timelines, classification keys, tables, models and graphs (bar, line and scatter), to recording accurate results, linking to mathematical knowledge.			
Knowledge	Objects, materials and living things can be looked at and compared.	Objects, materials and living things can be looked at, compared and grouped according to their features.	Data can be recorded and displayed in different ways, including tables, charts, graphs and labelled diagrams. Data can be used to provide evidence to	Data can be recorded and displayed in different ways, including tables, charts, graphs, keys and labelled diagrams.	Data can be recorded and displayed in different ways, including tables, bar and line charts, classification keys and labelled diagrams.	Data can be recorded and displayed in different ways, including tables, bar and line charts, scatter graphs, classification keys and labelled diagrams.			













an	nswer questions.		
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	WORKING SCIENTIFICALLY – ANALYSING								
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims	answers to questions	ns and ideas to suggest	 Record their findings user language, drawings, last bar charts, and table. Report on findings from oral and written explast presentations of results. 	belled diagrams, keys, m enquiries, including nations, displays or	Use test results to m up further comparat	ake predictions to set ive and fair tests.			
Skills	With support, gather and record simple data in a range of ways (data tables, diagrams, Venn diagrams).	Use a range of methods (tables, charts, diagrams and Venn diagrams) to gather and record simple data with some accuracy.	Gather and record findings in a variety of ways (diagrams, tables, charts and graphs) with increasing accuracy. Use suitable vocabulary to talk or write about what they have done, what the purpose was and, with help, draw a simple conclusion based on evidence collected, beginning to identify next steps or improvements.	Gather, record, classify and present observations and measurements in a variety of ways (pictorial representations, timelines, diagrams, keys, tables, charts and graphs). Use scientific vocabulary to report and answer questions about their findings based on evidence collected, draw simple conclusions and identify next steps, improvements and	Use relevant scientific vocabulary to report on their findings, answer questions and justify their conclusions based on evidence collected, identify improvements, further questions and predictions.	Report on and validate their findings, answer questions and justify their methods, opinions and conclusions. Use their results to suggest improvements to their methodology, separate facts from opinions, pose further questions and make predictions for what they might observe.			













				further questions.		
	Data can be recorded	Data can be recorded	Data can be recorded	Data can be recorded	The results are	The results are
	and displayed in	and displayed in	and displayed in	and displayed in	information, such as	information, such as
	different ways,	different ways,	different ways, including	different ways,	measurements or	measurements or
	including tables,	including tables, charts,	tables, charts, graphs	including tables, charts,	observations, that	observations, that
	pictograms and	pictograms and	and labelled diagrams.	graphs, keys and	have been collected	have been collected
	drawings.	drawings.		labelled diagrams.	during an	during an
			Data can be used to		investigation. A	investigation. A
			provide evidence to	Results are	conclusion is an	conclusion is an
Knowledge			answer questions.	information, such as	explanation of what	explanation of what
				data or observations,	has been discovered	has been discovered,
			Results are information	that have been found	using evidence	using correct, precise
			that has been discovered	out from an	collected.	terminology and
			as part of an	investigation. A		collected evidence.
			investigation. A	conclusion is the		
			conclusion is the answer	answer to a question		
			to a question that uses	that uses the evidence		
			the evidence collected.	collected.		

	WORKING SCIENTIFICALLY – EXPLAINING AND EVALUATING								
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims	questions. questions. predictions improveme Identify dif related to s Use straigh		predictions for new va improvements and rai • Identify differences, si related to simple scien • Use straightforward so	 Report and present findings from encoredictions for new values, suggest mprovements and raise further questions. dentify differences, similarities or changes related to simple scientific ideas and processes. Use straightforward scientific evidence to answer questions or to support their findings. 		s, causal relationships and degree of trust in ritten forms such as			
Skills	Talk about what they have done and say, with help, what they think they have found out.	Begin to notice patterns and relationships in their data and explain what they have done and found out using simple	Use suitable vocabulary to talk or write about what they have done, what the purpose was and, with help, draw a simple conclusion based	Use scientific vocabulary to report and answer questions about their findings based on evidence collected, draw simple	Use relevant scientific vocabulary to report on their findings, answer questions and justify their conclusions based on evidence	Report on and validate their findings, answer questions and justify their methods, opinions and conclusions, and use			













	Observe the local	scientific language.	on evidence collected,	conclusions and	collected, identify	their results to
	environment		beginning to identify	identify next steps,	improvements, further	suggest improvements
	throughout the year		next steps or	improvements and	questions and	to their methodology,
	and ask and answer		improvements.	further questions.	predictions.	separate facts from
	questions about living					opinions, pose further
	things and seasonal		Make increasingly careful	Begin to choose which		questions and make
	change.		observations, identifying	observations to make		predictions for what
			similarities, differences	and for how long and		they might observe.
			and changes, and making	make systematic,		
			simple connections.	careful observations		
				and comparisons,		
				identifying changes and		
				connections.		
	The results are	The results are	Results are information	Results are	The results are	The results are
	information that has	information that has	that has been found out	information, such as	information, such as	information, such as
	been found out from an	been found out from	from an investigation. A	data or observations,	measurements or	measurements or
	investigation.	an investigation and	conclusion is the answer	that has been found	observations, that have	observations, that
		can be used to answer	to a question that uses	out from an	been collected during	have been collected
	The local environment	a question.	the evidence collected.	investigation. A	an investigation. A	during an
	is a habitat for living			conclusion is the	conclusion is an	investigation. A
	things and can change		An observation involves	answer to a question	explanation of what	conclusion is an
	during the seasons.		looking closely at	that uses the evidence	has been discovered	explanation of what
	8		objects, materials and	collected.	using evidence	has been discovered,
Knowledge			living things, which can		collected.	using correct, precise
			be compared and	An observation involves	Concessed.	terminology and
			grouped according to	looking closely at		collected evidence.
			their features.	objects, materials and		conceted evidence.
			then reactives.	living things.		
				Observations can be		
				made regularly to		
				identify changes over		
				time.		
				unie.		













			PLANTS			
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
NC Aims	 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. 	 Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. 	 Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. 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. Investigate the way in which water is transported within plants. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. 			
Skills	Identify, compare, group and sort a variety of common plants, including deciduous	Observe and describe how seeds and bulbs change over time as they grow into mature	Name and describe the functions of the different parts of flowering plants (roots, stem, leaves and			

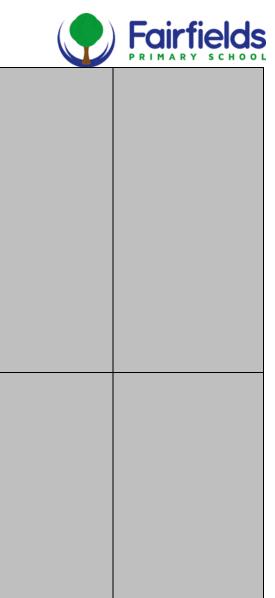












					PRIMARY SCHOO
	and evergreen trees,	plants.	flowers).		
	based on observable				
	features.	Describe how plants	Describe the		
		need water, light and a	requirements of plants		
	Label and describe the	suitable temperature	for life and growth (air,		
	basic structure of a	to grow and stay	light, water, nutrients		
	variety of common	healthy.	and room to grow) and		
	plants.		how they vary from plant		
			to plant.		
			Investigate how water is		
			transported within		
			plants.		
			Draw and label the life		
			cycle of a flowering		
			plant.		
	Plants are living things.	Plants grow from seeds	The plant's roots anchor		
		and bulbs. Seeds and	the plant in the ground		
	Common plants include	bulbs need nutrients	and transport water and		
	the daisy, daffodil and	from soil, water and	minerals from the		
	grass.	warmth to start	ground to the plant. The		
		growing (germinate).	stem (or trunk) support		
	Trees are large, woody	As the plant grows	the plant above the		
	plants and are either	bigger, it develops	ground. The leaves		
Knowledge	evergreen or	leaves and flowers.	collect energy from the		
	deciduous.		Sun and make food for		
		Plants need water, light	the plant. Flowers make		
	Trees that lose their	and a suitable	seeds to produce new		
	leaves in the autumn	temperature to grow	plants.		
	are called deciduous	and stay healthy.			
	trees (e.g. oak, beech	Without any one of	Different plants have		
	and rowan).	these things, they will	different needs		
		die.	depending on their		













Trees that keep their	habitat. Examples	
leaves all year round	include cacti, which	
are called evergreen	need less water than is	
trees (e.g. holly and	typical, and ferns, which	
pine).	can grow in lower light	
	levels.	
The basic plant parts		
include root, stem,	Water is transported in	
leaf, flower, petal,	plants from the roots,	
fruit, seed and bulb.	through the stem and to	
Trees have a woody	the leaves, through tiny	
stem called a trunk.	tubes called xylem.	
	Flowers are important in	
	the life cycle of flowering	
	plants. The stages of a	
	plant's life cycle include;	
	germination, flower	
	production, pollination,	
	fertilisation, seed	
	formation and seed	
	dispersal. Insects and the	
	wind can transfer pollen	
	from one plant to	
	another (pollination).	
	Animals, wind, water and	
	explosions can disperse	
	seeds away from the	
	parent plant (seed	
	dispersal).	

	ANIMALS INCLUDING HUMANS AND EVOLUTION						
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	



NC Aims

Belonging (









•	Identify and name
	a variety of
	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.

- Notice that animals, including humans, have offspring which grow into adults.
- Find out about and 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.
- 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.
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
- Describe the simple functions of 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.

Describe the changes as humans develop to old age.

- Identify and name the main parts 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.
- 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.
Skills	Identify, compare, group and sort a variety of common animals, including fish, amphibians, reptiles, birds and mammals, based on observable features. Group and sort a variety of common animals based on the foods they eat. Label and describe the	Describe the stages of human development (baby, toddler, child, teenager and adult). Describe the basic life cycles of some familiar animals (egg, caterpillar, pupa, butterfly; egg, chick, chicken; spawn, tadpole, froglet, frog). Describe what humans need to survive.	Compare and contrast the diets of different animals. Explain the importance and characteristics of a healthy, balanced diet. Describe how humans need the skeleton and muscles for support, protection and movement. Identify and group	Describe the purpose of the digestive system, its main parts and each of their functions. Identify the four different types of teeth in humans and other animals, and describe their functions. Construct and interpret a variety of food chains and webs to show interdependence and	Describe the changes as humans develop from birth to old age.	Name and describe the purpose of the circulatory system and the functions of the heart, blood vessels and blood. Explain the impact of positive and negative lifestyle choices on the body. Explain that the circulatory system in animals transports
	basic structure of a variety of common animals.	Explain how animals, including humans, need water, food, air	animals that have no skeleton, an internal skeleton (endoskeleton) and an external skeleton	how energy is passed on over time.		oxygen, water and nutrients around the body.





Draw and label the

human body and say

associated with which

main parts of the

which body part is

Animals are living

Knowledge

things. Animals can be

sorted and grouped

sense.





Describe the

hygiene.

importance of a

healthy lifestyle,

including exercise, a

Human offspring go

stages as they grow to

through different

balanced diet and good

and shelter to survive.



(exoskeleton).

Animals cannot make

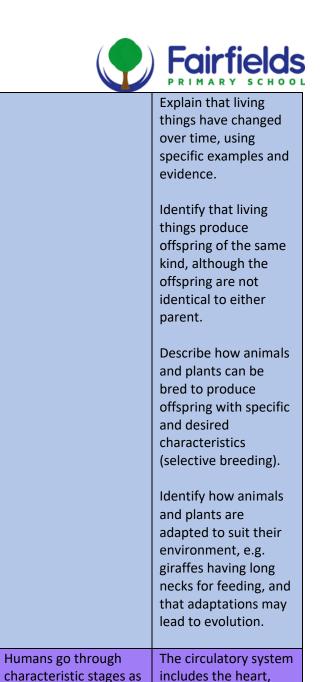
their own food and need

to get nutrition from the

The digestive system is

responsible for

digesting food and



blood vessels and

they develop to old





blood. The heart

into six main groups: fish, amphibians, reptiles, birds, mammals and invertebrates.

Carnivores eat other animals (meat). herbivores eat plants and omnivores eat other animals and plants.

Different animal groups have some common body parts, such as eyes and a mouth, and some different body parts, such as fins or wings.

The basic body parts are the head, arms, legs, nose, eyes, ears, mouth, hands and feet. The five senses are hearing, sight, smell, taste and touch. Ears are used for hearing, eyes are used to see, the nose is used to smell, the tongue is used to taste and skin gives the sense of

become adults. These include baby, toddler, child, teenager and adult.

Animals have offspring that grow into adults. Different animals have different stages of growth or life cycles.

Humans need water, food, air and shelter to survive.

Animals need water, food, air and shelter to survive. Their habitat must provide all these things.

A healthy lifestyle includes exercise, good hygiene and a balanced diet.

food they eat. Carnivores get their nutrition from eating other animals. Herbivores get their nutrition from plants. Omnivores get their nutrition from eating a variety of plants and other animals.

Humans have to get nutrition from what they eat. It is important to have a balanced diet made up of the main food groups, including proteins, carbohydrates, fruit and vegetables. dairy products and alternatives, and fats and spreads. Humans need to stay hydrated by drinking water.

Humans have a skeleton and muscles for movement, support and protecting organs. Major bones in the human body include the skull, ribs, spine, humerus, ulna, radius, pelvis, femur, tibia and fibula. Major muscle groups in the

absorbing nutrients and water. The main parts of the digestive system are the mouth, oesophagus, stomach, small intestines, large intestines and rectum.

The mouth starts digestion by chewing food and mixing it with saliva. The oesophagus transports the chewed food to the stomach, where it mixes with stomach acid and gets broken down into smaller pieces. In the small intestine, nutrients from the food are absorbed by the body. In the large intestine, water is absorbed by the body. The remaining undigested waste is stored in the rectum before excretion through the anus.

There are four different types of teeth: incisors, canines, premolars and molars.

age. These stages include baby, infant, toddler, child, adolescent, young adult, adult and senior citizen.

Puberty is the transition between childhood and adulthood.

pumps blood through the blood vessels and around the body. There are three types of blood vessel: arteries, veins and capillaries. They each have a different-sized hole (lumen) and walls. The blood carries gases (oxygen and carbon dioxide), water and nutrients to where they are needed. The red blood cells carry oxygen and carbon dioxide around the body. The blood also contains white blood cells, which

Lifestyle choices can have a positive (exercise and eating healthily) or negative (drugs, smoking and alcohol) impact on the body.

protect the body from

infection.

The role of the circulatory system is





human body include the touch. biceps, triceps, abdominals, trapezius, gluteals, hamstrings, quadriceps, deltoids, gastrocnemius, latissimus dorsi and pectorals.

> Some animals have skeletons for support, movement and protection. Endoskeletons are those found inside some animals, such as humans, cats and horses. Exoskeletons are those found on the outside of some animals, such as beetles and flies. Some animals have no skeleton, such as slugs and jellyfish.

Incisors are used for cutting. Canines are used for tearing. Premolars and molars are used for grinding and chewing.

Carnivores, herbivores and omnivores have characteristic types of tooth. Herbivores have many large molars for grinding plant material. Carnivores have large canines for killing and tearing meat.

Food chains show what animals eat within a habitat and how energy is passed on over time. All food chains start with a producer, which is typically a green plant. The producer is eaten by a primary consumer (prey), which is eaten by a secondary consumer (prey), which is eaten by a tertiary consumer. All food chains end

to transport oxygen, water and nutrients around the body. They are transported in blood and delivered to where they are needed.

Scientists compare fossilised remains from the past to living species that exist today to hypothesise how living things have evolved over time. Humans and apes share a common ancestry and evidence for this comes from fossil discoveries and genetic comparison.

Animals that sexually reproduce generate new offspring of the same kind by combining the genetic material of two individuals. Each offspring inherits two of every gene, one from the female parent and one from the male parent.





		with a top or apex predator. Changes within a food chain, such as an abundance or lack of one food type, have an impact on the entire food	Animals and plants can be bred to produce offspring with specific and desired
		chain.	characteristics. This is called selective breeding. Examples include cows that produce large quantities of milk or crops that are disease-resistant.
			An adaptation is a physical or behavioural trait that allows a living thing to survive and fill an ecological niche. Adaptations evolve by natural selection. Favourable traits help an organism survive and pass on their genes to subsequent generations.

	LIVING THINGS AND THEIR HABITATS							
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
NC Aims		Explore and		Recognise that	Describe the	Describe how		







				PRIMARY SCHOOL
	compare the differences between things that are living, dead, and 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, including microhabitats. 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	living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose dangers to living things	differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. • Give reasons for classifying plants and animals based on specific characteristics.













	food.			
	Compare and group	Compare, sort and	Compare the life cycles	Use and construct
	things that are living,	group living things in a	of animals, including a	classification systems
	dead or have never	variety of ways based	mammal, amphibian,	to identify animals
	been alive.	on observable features	insect and bird.	and plants from a
		and behaviour.		range of habitats.
	Describe a range of		Describe the process of	
	local habitats and	Explain how unfamiliar	human reproduction.	Classify living things,
	habitats beyond their	habitats, such as a		including
	locality (rainforests,	mountain or ocean, can	Describe the life	microorganisms,
	deserts, oceans and	change over time and	process of	animals and plants,
	mountains) and what	what influences these	reproduction in some	into groups according
	all habitats provide for	changes.	plants and animals.	to common
	the things that live			observable
Skills	there.	Describe how	Group and sort plants	characteristics and
		environments can	by how they	based on similarities
	Identify and name a	change due to human	reproduce.	and differences.
	variety of plants and	and natural influences		
	animals in a range of	and the impact this can	Label and draw the	Research unfamiliar
	habitats and	have on living things.	parts of a flower	animals and plants
	microhabitats.		involved in sexual	from a range of
			reproduction in plants	habitats, deciding
	Interpret and construct		(stamen, filament,	upon and explaining
	simple food chains to		anther, pollen, carpel,	where they belong in
	describe how living		stigma, style, ovary,	the classification
	things depend on each		ovule and sepal).	system.
	other as a source of			
	food.			
	Living things are those	Scientists classify living	A life cycle is the series	Classification keys
	that are alive. Dead	things according to	of changes in the life of	help us identify living
Knowledge	things are those that	shared characteristics.	a living thing and	things based on their
	were once living but	Animals can be divided	includes these basic	physical
	are no longer. Some	into six main groups:	stages: birth, growth,	characteristics.
	things have never been	mammals, reptiles,	reproduction and	





alive.

Local habitats include parks, woodland and gardens. Habitats beyond the locality include beaches, rainforests, deserts. oceans and mountains. All living things live in a habitat to which they are suited and it must provide everything they need to survive.

A habitat is a place where a living thing lives. A microhabitat is a very small habitat. (E.g. rotting log or under a rock)

Food chains show how living things depend on one another for food. All food chains start with a plant, followed by animals that either eat the plant or other animals.

amphibians, birds, fish and invertebrates. These groups can be further subdivided. Classification keys are a scientific tools that aid the identification of living things.

Habitats change over time, either due to natural or human influences. Natural influences include extreme or unseasonable weather. Human influences include habitat destruction or pollution. These changes can pose a risk to animals and plants that live in the habitat.

Humans can affect habitats in negative ways, such as litter, pollution and land development, or positive ways, such as garden ponds, bird boxes and wildflower areas.

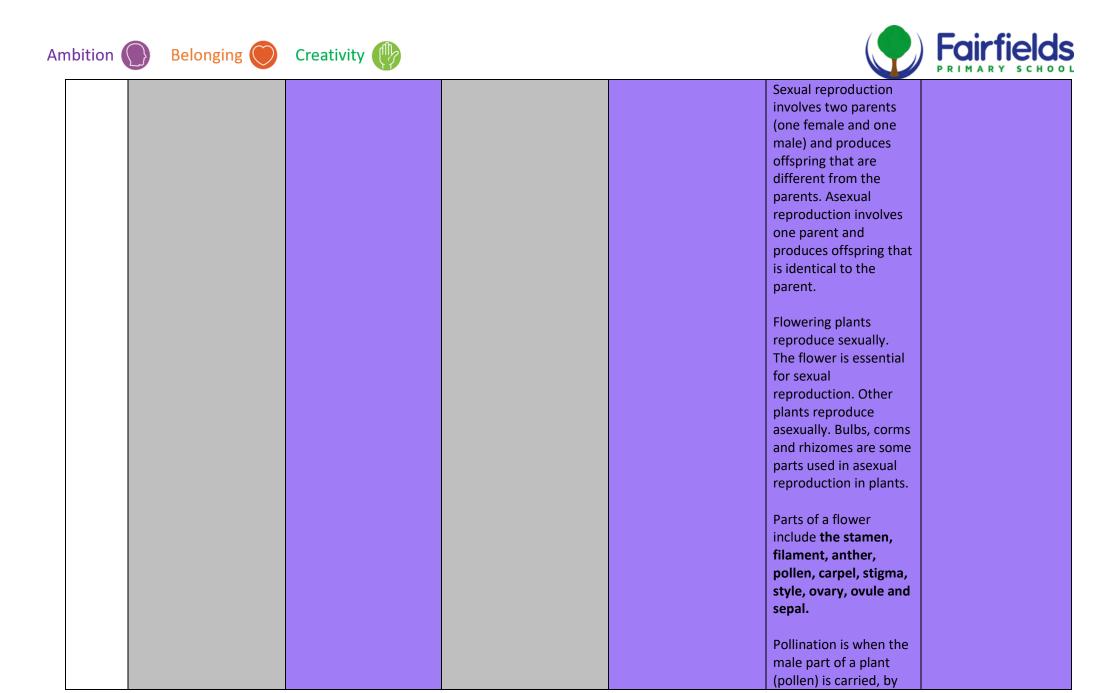
death. Mammals' life cycles include the stages: embryo, baby, adolescent and adult. Amphibians' life cycles include the stages: egg, larva (tadpole), adolescent and adult. Some insects' (butterflies, beetles and bees) life cycles include the stages: egg, larva, pupa and adult. Birds' life cycles include the stages: egg, baby, adolescent and adult.

Humans reproduce sexually, which involves two parents (one female and one male) and produces offspring that are different from the parents.

Reproduction is the process of producing offspring and is essential for the continued survival of a species. There are two types of reproduction: sexual and asexual.

Scientists classify living organisms into broad groups according to their characteristics. Vertebrates are an example of a classification group. There are a number of ranks, or levels, within the biological classification system. The first rank is called a kingdom, the second a phylum, then class, order, family, genus and species.

Living things are classified into groups, according to common observable characteristics and based on similarities and differences.







	wind, insects or other	
	animals, to the female	
	part of the plant	
	(carpel). The pollen	
	travels to the ovary,	
	where it fertilises the	
	ovules (eggs). Seeds	
	are then produced,	
	which disperse far	
	away from the parent	
	plant and new plants	
	grow.	

	EVERYDAY MATERIALS									
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
NC Aims	 Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a 	 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 			 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. Know that some materials will dissolve in liquid to form a solution, 					













		 			PRIMARY	
	ariety of everyday			and describe how		
	naterials on the			to recover a		
	asis of their			substance from a		
si	imple physical			solution.		
pı	properties.		•	Use knowledge of		
				solids, liquids and		
				gases to decide		
				how mixtures		
				might be		
				separated,		
				including through		
				filtering, 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,		
				usually reversible,		



Skills



Identify and name what

an object is made from,

including wood, plastic,

glass, metal, water and

Investigate and

some everyday

rough or smooth;

waterproof or not

Compare and group

materials in a variety of

ways, such as based on

natural or man-made

and being recyclable or

bendy or rigid;

waterproof and magnetic or non-

magnetic.

their physical properties; being

non-recyclable.

describe the simple

physical properties of

materials, such as hard

or soft; stretchy or stiff;

opaque or transparent;

rock.





Compare the suitability

of a range of everyday

materials for particular

Describe how some

can be changed and

be desirable or

undesirable.

objects and materials

how these changes can

uses.



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including changes associated with burning and the action of acid on bicarbonate of soda.	
Compare and group everyday materials by their properties, including hardness, solubility, transparency, conductivity (electrical and thermal) and magnetism.	
Explain, following observation, that some substances (solutes) will dissolve in liquid (solvents) to form a solution and the solute can be recovered by evaporating off the solvent.	
Separate mixtures by filtering, sieving and evaporating.	
Describe, using	

evidence from

comparative or fair

tests, why a material





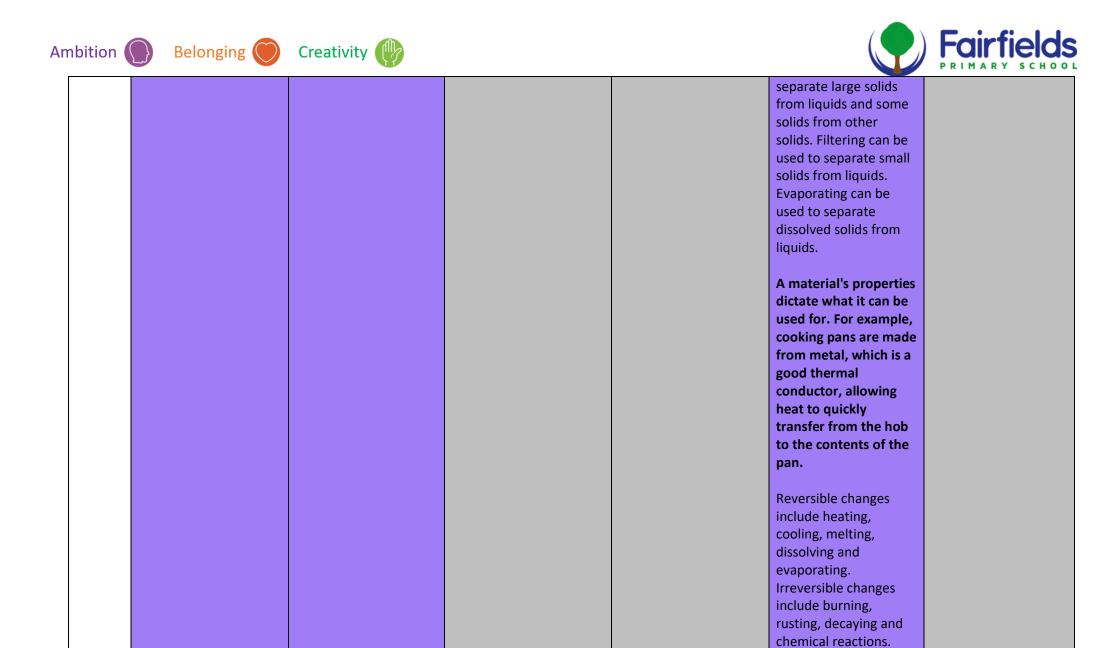






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een chosen for a fic use. cify, demonstrate compare raible and ersible changes.	
erials can be ped according to basic physical erties. Properties de hardness, bility, sparency, uctivity (electrical thermal) and netism.	
e materials tes) will dissolve in d (solvents) to a solution. The e can be vered by orating off the int by heating.	
mivtures can be	

					PRIMARY SCHOO
				has been chosen for a specific use. Identify, demonstrate and compare reversible and irreversible changes.	
Knowledge	A material is what an object is made from. Everyday materials include wood, plastic, glass, metal, water, rock, brick, paper and fabric. Materials have different properties, such as hard or soft; stretchy or stiff; rough or smooth; opaque or transparent; bendy or rigid; waterproof or not waterproof; magnetic or nonmagnetic. Materials can be grouped according to their properties.	A material's physical properties make it suitable for particular purposes, such as glass for windows and brick for building walls. Many materials are used for more than one purpose, such as metal for cutlery and cars. Some objects and materials can be changed by squashing, bending, twisting and stretching.		Materials can be grouped according to their basic physical properties. Properties include hardness, solubility, transparency, conductivity (electrical and thermal) and magnetism. Some materials (solutes) will dissolve in liquid (solvents) to form a solution. The solute can be recovered by evaporating off the solvent by heating. Some mixtures can be separated by filtering, sieving and evaporating. Sieving can be used to	















SEASONAL CHANGES						
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
NG At the	Observe changes across the four seasons.					
NC Aims	Observe and describe weather associated with the seasons and how day length varies.					
Skills	Observe changes across the four seasons. Observe and describe how day length changes across the year. Observe and describe different types of weather.					
Knowledge	There are four seasons: spring, summer, autumn and winter. Certain events and weather patterns happen in different seasons. Day length (the number of daylight hours) is longer in the summer months and shorter in					











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the winter months.			
Different types of weather include sun, rain, hail, wind, snow, fog, lightning, storm and cloud. The weather can change daily and some weather types are more common in certain seasons, such a			
snow in winter.			

	ROCKS							
Year	Year 1	Year 2		Year 4	Year 5	Year 6		
NC Aims			 Compare and group together 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. 					
Skills			Compare and group rocks based on their appearance, properties					









		or uses.		
		Describe simply how		
		fossils are formed, using		
		words, pictures or a		
		model.		
		Investigate soils from the		
		local environment,		
		making comparisons and		
		identifying features.		
		There are three different		
		rock types: sedimentary,		
		igneous and		
		metamorphic.		
		Codine outour, no also		
		Sedimentary rocks (sandstone and		
		•		
		limestone) form from mud, sand and particles		
		that have been squashed		
		together over a long time		
Knowledge		to form rock.		
Kilowiedge		to form fock.		
		Igneous rocks (pumice		
		and granite) are made		
		from cooled magma or		
		lava. They usually		
		contain visible crystals.		
		Metamorphic rocks (slate		
		and marble) are formed		
		when existing rocks are		
		heated by the magma		





		under the Earth's crust		
		or squashed by the		
		movement of the Earth's		
		tectonic plates. They are		
		usually very hard.		
		, ,		
		Fossils form over millions		
		of years and are the		
		remains of a once-living		
		organism, preserved as		
		rock. Scientists can use		
		fossils to find out what		
		life on Earth was like in		
		prehistoric times. Fossils		
		form when a living thing		
		dies in a watery		
		environment. The body		
		gets covered by mud and		
		sand and the soft tissues		
		rot away. Over time, the		
		ground hardens to form		
		sedimentary rock and the		
		skeletal or shell remains		
		turn to rock.		
		Soils are made from tiny		
		pieces of eroded rock, air		
		and organic matter.		
		There are a variety of		
		naturally occurring soils		
		including, clay, sand and		
		silt. Different areas have		
1		different soil types.		













			LIGHT			
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
NC Aims			 Recognise that they need light in order to see things and that dark is the absence of light. Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. Recognise that shadows are formed when the light from a light source is blocked by an opaque object. Find patterns in the way that the size of shadows change. 			 Recognise that light appears to travel in straight lines. 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. 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. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.
Skills			Describe dark as being			Identify that light









		the absence of light and	travels in straight
		that we need light to be	lines.
		able to see.	
			Explain that, due to
		Group and sort materials	how light travels, we
		as being reflective or	can see things
		non-reflective.	because they give out
			or reflect light into the
		Explain why light from	eye.
		the sun can be	
		dangerous.	Explain, using words,
			diagrams or a model,
		Explain, using words or	why shadows have the
		diagrams, how shadows	same shape as the
		are formed when a light	objects that cast them
		source is blocked by an	and how shadows can
		opaque object.	be changed.
		Find patterns in the way	
		shadows change during	
		the day.	
		Dark is the absence of	Light travels in
		light and we need light to	straight lines.
		be able to see.	
			Light sources give out
		Light can be reflected	light. They can be
		from different surfaces.	natural or artificial.
Knowledge		Some surfaces are poor	When light hits an
		reflectors, such as some	object, it is absorbed,
		fabrics, while other	scattered, reflected or
		surfaces are good	a combination of all
		reflectors, such as	three. Light from a
		mirrors.	source or reflected
			light enter the eye.





		The same of the sa	
	Light from the Sun is		Vertebrates, such as
	damaging for vision and		mammals, birds and
	the skin. Protection from		reptiles, have a cornea
	the Sun includes sun		and lens that refracts
	cream, sun hats,		light that enters the
	sunglasses, staying		eye and focuses it on
	indoors or in the shade.		the nerve tissue at the
			back of the eye, which
	A shadow is formed		is called the retina.
	when light from a light		Once light reaches the
	source, such as the Sun,		retina, it is
	is blocked by an opaque		transmitted to the
	object. Transparent		brain via the optic
	objects allow light to		nerve.
	pass through them and		
	do not create shadows.		A shadow appears
			when an object blocks
	Shadows change shape		the passage of light.
	and size when the light		Apart from some
	source moves. For		distortion or fuzziness
	example, when the light		at the edges, shadows
	source is high above the		are the same shape as
	object, the shadow is		the object. The
	short and when the light		distortion or fuzziness
	source is low down, the		depends on the
	object's shadow is long.		position or type of
			light source.

	FORCES AND MAGNETS					
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

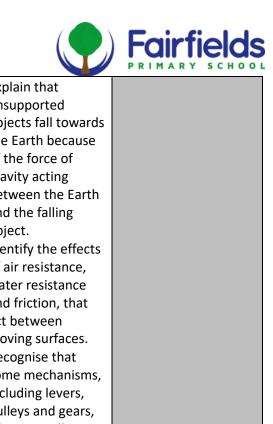












	 Compare how things move on different surfaces. Notice that some forces need contact between two objects, but magnetic forces can 	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling
	act at a distance. Observe how magnets attract or repel each other and attract some materials and not	object. • Identify the effects of air resistance, water resistance and friction, that act between
NC Aims	others. • Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify	moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
	some magnetic materials. Describe magnets as having two poles. Predict whether two magnets will attract or repel each other, depending on which poles are facing.	
Skills	Explain that an object will not move unless a push or pull (force) is	Explain that objects fall to Earth due to the force of gravity.











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	applied, describing forces in action and whether the force requires direct contact or whether the force can act at a distance (magnetic force).	Compare and describe, using a range of toys, models and natural objects, the effects of water resistance, air resistance and friction.
	Compare and group materials based on their magnetic properties. Investigate and compare a range of magnets (bar, horseshoe and floating) and explain that magnets have two poles (north and south) and that opposite poles attract each other, while like	Describe and demonstrate how simple levers, gears and pulleys assist the movement of objects.
Knowledge	poles repel each other. An object will not move unless a pushing or pulling force is applied. Some forces require direct contact, whereas other forces can act at a distance, such as magnetic force. Some materials have magnetic properties. Magnetic materials are attracted to magnets. All	Gravity is a force of attraction. Anything with a mass can exert a gravitational pull on another object. The Earth's large mass exerts a gravitational pull on all objects on Earth, making dropped objects fall to the ground. Friction, air resistance





magnetic materials are metals but not all metals are magnetic. The metal iron is magnetic.

Some materials have magnetic properties. Magnetic materials are attracted to magnets. All magnetic materials are metals but not all metals are magnetic. The metal iron is magnetic.

Magnets have two poles (north and south). Opposite poles (north and south) attract each other, while like poles (north and north, or south and south) repel each other.

and water resistance are forces that oppose motion and slow down moving objects. These forces can be useful, such as bike brakes and parachutes, but sometimes we need to minimise their effects. such as streamlining boats and planes to move through water or air more easily, and using lubricants and ball bearings between two surfaces to reduce friction.

Mechanisms, such as levers, pulleys and gears, give us a mechanical advantage. A mechanical advantage is a measurement of how much a simple machine multiplies the force that we put in. The bigger the mechanical advantage, the less force we need to apply.













Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
NC Aims				 Compare and group materials together, according to whether they are solids, liquids or gases. 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). Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. 		
Skills				Group and sort materials into solids, liquids or gases. Observe and explain that some materials change state when they are heated or cooled		









		and measure or	
		research the	
		temperature in degrees	
		Celsius (°C) at which	
		materials change state.	
		go otato.	
		Describe the water	
		cycle using words or	
		diagrams and explain	
		the part played by	
		evaporation and	
		condensation.	
		Materials can be	
		grouped according to	
		whether they are	
		solids, liquids or gases.	
		Solids stay in one place	
		and can be held. Some	
		solids can be squashed,	
		bent, twisted and	
		stretched. Examples of	
		solids include wood,	
Kan lada		metal, plastic and clay.	
Knowledge		Liquids move around	
		(flow) easily and are	
		difficult to hold. Liquids	
		take the shape of the	
		container in which they	
		are held. Examples of	
		liquids include water,	
		juice and milk. Gases	
		spread out to fill the	
		available space and	
		cannot be held. Air is a	





mixture of gases.	
Heating or cooling	
materials can bring	
about a change of	
state. This change of	
state can be reversible	
or irreversible. The	
temperature at which	
materials change state	
varies depending on	
the material. Water	
changes state from	
solid (ice) to liquid	
(water) at 0°C and from	
liquid (water) to gas	
(water vapour) at	
100°C. The process of	
changing from a solid	
to liquid is called	
melting. The reverse	
process of changing	
from a liquid to a solid	
is called freezing. The	
process of changing	
from a liquid to a gas is	
called evaporation. The	
reverse process of	
changing from a gas to	
a liquid is called	
condensation.	
The water cycle has	
four stages:	





		evaporation,	
1 1		condensation,	
1 1		precipitation,	
1 1		collection. Water in	
1 1		lakes, rivers and	
1 1		streams is warmed by	
1 1		the Sun, causing the	
1 1		liquid water to	
1 1		evaporate and rise into	
1 1		the air as water vapour.	
1 1		As the water vapour	
1 1		rises, it cools and	
1 1		condenses to form	
1 1		liquid water droplets in	
1 1		clouds. The clouds	
1 1		become full of water,	
1 1		until the water falls	
1 1		back to the ground as	
1 1		precipitation (rain, hail,	
1 1		snow and ice). The	
1 1		fallen water collects	
1 1		back in lakes, rivers and	
1 1		streams. Evaporation	
		and condensation are	
		caused by temperature	
		changes.	

	SOUND								
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims				 Identify how sounds are made, associating some of them with 					









		something	
		vibrating.	
		vibrations from	
		sounds travel	
		through a medium	
		to the ear.	
		Find patterns	
		between the pitch	
		of a sound and	
		features of the	
		object that	
		produced it.	
		between the	
		volume of a sound	
		and the strength of	
		the vibrations that	
		produced it.	
		•	
		sounds get fainter	
		as the distance	
		from the sound	
		source increases.	
	F	Explain how sounds are	
		nade and heard using	
		liagrams, models,	
		vritten methods or	
		erbally.	
Skills		C. Cany.	
		Compare and find	
		patterns in the pitch of	
		sound, using a range	
		of equipment, such as	
	C	n equipment, such as	









		musical instruments.	
		Compare how the	
		volume of a sound	
		changes at different	
		distances from the	
		source.	
		When an instrument is	
		played, the air around	
		or inside it vibrates.	
		These vibrations travel	
		as a sound wave. Sound	
		waves travel through a	
		medium, such as air or	
		water, to the ear.	
		Pitch is how high or low	
		a sound is. Parts of an	
		instrument that are	
		shorter, tighter or	
Knowledge		thinner produce high-	
		pitched sounds. Parts	
		of an instrument that	
		are longer, looser or	
		fatter produce low-	
		pitched sounds.	
		•	
		Volume is how loud or	
		quiet a sound is. The	
		harder an instrument is	
		hit, plucked or blown,	
		the stronger the	
		vibrations and the	
		louder the sound.	

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		Sounds are louder	
		closer to the sound	
		source and fainter as	
		the distance from the	
		sound source increases.	

	ELECTRICITY							
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
NC Aims				 Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. 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. Recognise that a switch opens and closes a circuit and associate this with 		 Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. 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. Use recognised symbols when representing a simple circuit in a diagram. 		



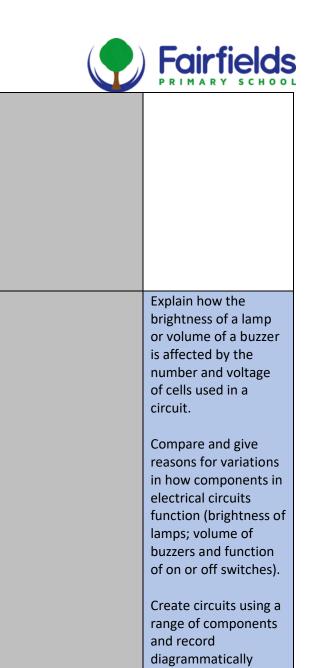
Skills











using the recognised symbols for electrical

whether or not a lamp lights in a simple series circuit. • Recognise some common

conductors and insulators, and associate metals with being good conductors. Compare common

household equipment

and are not powered

Construct operational

simple series circuits

Predict and describe

whether a circuit will

or not the circuit is a complete loop and has a battery or cell.

Describe materials as

insulators.

electrical conductors or

work based on whether

using a range of

components and switches for control.

by electricity.

and appliances that are









			components.
		Electricity is a type of	Voltage is measured in
		energy. It is used to	volts (V) and is a
		power many everyday	measure of the
		items, such as kettles,	difference in electrical
		computers and	energy between two
		televisions. Electricity	parts of a circuit. The
		can also come from	bigger the voltage, the
		batteries. Batteries	more electrons are
		eventually run out of	pushed through the
		power and need to be	circuit. The more
		recycled or recharged.	voltage flowing
		Batteries power	through a lamp,
		devices that can be	buzzer or motor, the
		carried around, such as	brighter the lamp, the
		mobile phones and	louder the buzzer and
		torches.	the faster the motor.
Knowledge			
		Electrical components	A circuit needs a
		include cells, wires,	power source, such as
		lamps, motors,	a battery or cell, with
		switches and buzzers.	wires connected to
		Switches open and	both the positive and
		close a circuit and	negative terminals.
		provide control.	Other components
			include lamps, buzzers
		A series circuit is a	or motors, which an
		simple loop with only	electric current passes
		one path for the	through and affects a
		electricity to flow. A	response, such as
		series circuit must be a	lighting a lamp or
		complete loop to work	turning a motor.
		and have a source of	When a switch is
		power from a battery	open, it creates a gap



		or cell.	and the current
			cannot travel around
		Electrical conductors	the circuit. When a
		allow electricity to flow	switch is closed, it
		through them, whereas	completes the circuit
		insulators do not.	and allows a current
		Common electrical	to flow all the way
		conductors are metals.	around it.
		Common insulators	
		include wood, glass,	There are recognised
		plastic and rubber.	symbols for different
			components of
			circuits.

EARTH AND SPACE									
Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
NC Aims					 Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to 				





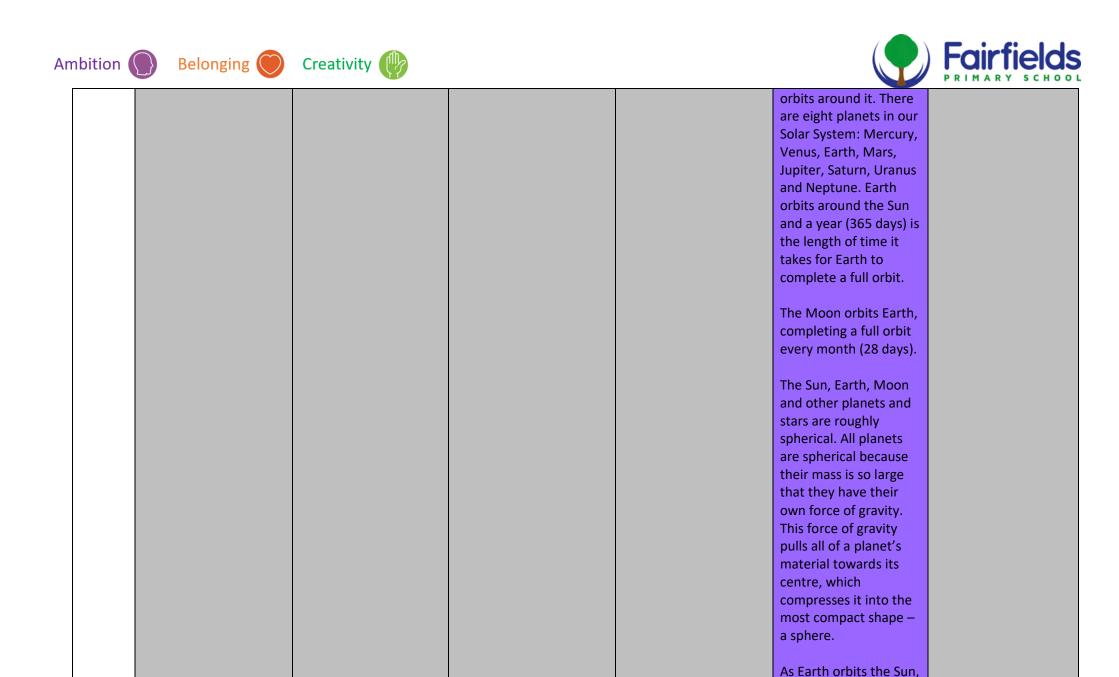




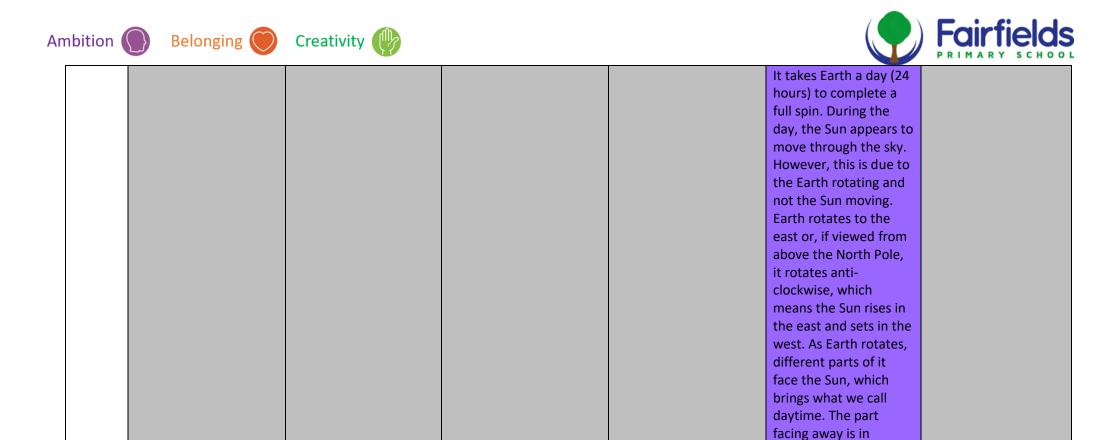




			explain day and	
			night and the	
			apparent	
			movement of the	
			sun across the sky.	
-			Describe or model the	
			movement of the	
			planets in our Solar	
			System, including	
			Earth, relative to the	
			Sun.	
			Juli.	
			Describe or model the	
			movement of the	
			Moon relative to Earth.	
			WIOOTI TEIGUIVE to Earti.	
			Describe the Sun, Earth	
			and Moon as	
Skills			approximately	
			spherical bodies and	
			use this knowledge to	
			understand the phases	
			of the Moon and	
			eclipses.	
			compaca.	
			Use the idea of Earth's	
			rotation to explain day	
			and night, and the	
			Sun's apparent	
			movement across the	
			sky.	
Knowledge				
Knowledge			The Solar System is made up of the Sun and everything that	



it also spins on its axis.



shadow, which is night

time.