

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans	 Make healthy choices about food, drink, activity and toothbrushing Understand the key features of the life cycle of a plant and an animal Begin to understand the need to respect and care for the natural environment and all living things. Know and talk about the different factors that support their overall health and wellbeing: regular physical activity healthy eating toothbrushing sensible amounts of 'screen time' having a good 	Pupils should be taught to: • 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	Pupils should be taught to: • 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.	Pupils should be taught to: • 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.	Pupils should be taught to: • 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.	Pupils should be taught to: • describe the changes as humans develop to old age.	Pupils should be taught to: • 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.



Primary 5					
	sleep routine -	which part of			
	being a safe	the body is			
	pedestrian	associated with			
	 Explore the 	each sense.			
	natural world				
	around them.				
	 Describe what 				
	they see, hear				
	and feel while				
	they are				
	outside				
	 Manage their 				
	own basic				
	hygiene and				
	personal needs,				
	including				
	dressing, going				
	to the toilet				
	and				
	understanding				
	the importance				
	of healthy food				
	choices.				
	Explore the				
	natural world				
	around them,				
	making				
	observations				
	and drawing				
	pictures of				
	animals and				
	plants				
	Know some				
	similarities and				



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	differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.						
Plants	 Plant seeds and care for growing plants Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things. Explore the natural world around them Describe what they see, hear and feel while 	Pupils should be taught to: • 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.	Pupils should be taught to: • 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.	Pupils should be taught to: • 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;			



Their Habitats		Pupils should be taught to:		Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:
Living Things and	class.	Daniel de Late		Describe also 1919	Describe also 1315	Describe also sold by
	been read in					
	and what has					
	experiences					
	their					
	drawing on					
	environments,					
	and contrasting					
	around them					
	natural world					
	between the					
	differences					
	similarities and					
	Know some					
	plants.					
	animals and					
	pictures of		uispersai.			
	and drawing		dispersal.			
	observations		and seed			
	making		pollination, seed formation			
	around them,		plants, including			
	natural world		flowering			
	Explore the		cycle of			
	one in which they live		play in the life			
	different to the		part that flowers			
	that are		 explore the 			
	environments		within plants;			
	some		transported			
	Recognise		water is			
	outside.		way in which			
	they are		• investigate the			



compare the differences between things that are living, dead, and things that have never been alive; • identify that most living things can be grouped in a variety a mammal, an amphibian, an insect and a bird; character and a bird; character and and name a variety of living some plants living things can be grouped in a variety of living some plants differences in the life cycles of a mammal, an amphibian, an insect and a bird; character and a bird; chara
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		their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.		
Evolution and Inheritance				Pupils should be taught to: • 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



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Seasonal Changes	Understand the effect of changing seasons on the natural world around them.	Pupils should be taught to: • observe changes across the 4 seasons;			
		observe and describe weather associated with the seasons and how day length varies.			
Forces	Explore and talk about different forces they can feel.		Pupils should be taught to: • compare how things move on different surfaces;	Pupils should be taught to: • explain that unsupported objects fall towards the	
			 notice that some forces need contact between 2 objects, but magnetic forces 	Earth because of the force of gravity acting between the Earth and the falling object;	



can act at	identify the
a distance;	effects of air
observe how	resistance,
magnets attract	water resistance
or repel each	and friction,
other and attract	that act between
some materials	moving
and not others;	surfaces;
compare and	recognise that
group together	some
a variety of	mechanisms
everyday	including
materials	levers,
on the basis of	pulleys and
whether they	gears allow a
are attracted to	smaller force
a magnet,	to have a
and identify	greater effect.
some	
magnetic	
materials;	
• describe	
magnets as	
having	
2 poles;	
Predict	
whether 2	
magnets will	
attract or	
repel each	
other,	
depending on	
which poles	
are facing.	



Light	Pupils should be taught to:	Pupils should be taught to:
	• recognise that	recognise that
	they need light	light appears to
	in order to see	travel in straight
	things and that	lines;
	dark is the	• use the idea
	absence of light;	that light travels
	notice that	in
	light is reflected	straight lines to
	from surfaces;	explain that
	• recognise that	objects are seen
	light from the	because they
	sun can be	give out or
	dangerous and	reflect light into
	that	the eye;
	there are ways	 explain that we
	to protect	see things
	their eyes;	because light
	recognise that	travels from light
	shadows are	sources to our
	formed when	eyes or from
	the light from a	light sources to
	light source is	objects and
	blocked by an	then to our
	opaque object;	eyes;
	• find patterns	• use the idea
	in the way that	that light
	the	travels in
	size of	straight lines
	shadows	to explain why
	change.	shadows have
		the same shape



				as the objects	
				that cast them.	
Sound			Pupils should be taught to: • identify how sounds are made, associating some of them with something vibrating; • recognise that 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; • find patterns between the volume of a	as the objects that cast them.	
			between the volume of a sound and the strength of the vibrations that produced it;		
			 recognise that sounds get 		



	fainter as the	
	distance from	
	the	
	sound source	
	increases.	
Earth and Space	Pupils should be	
	taught to:	
	• 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.	
Electricity	Pupils should be	Pupils should be taught to:



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		taught to:	associate the
		• identify	brightness of a
		common	lamp or the
		appliances	volume of a
		that run on	buzzer with the
		electricity;	number and
		• construct a	voltage of cells
			used in
		simple series	the circuit;
		electrical circuit,	compare and
		identifying	give reasons for
		and naming its	variations in how
		basic parts,	components
		including cells,	function,
		wires, bulbs,	including the
		switches and	brightness of
		buzzers;	bulbs, the loudness of
		• identify	buzzers and the
		whether or not a	on/off position of
		lamp	switches;
		will light in a	• use recognised
		simple series	symbols when
			representing a
		circuit, based on	simple circuit
		whether or	in a diagram.
		not the lamp is	a aragram.
		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	
		l liut a lailib	



Primary 50							
					lights in a simple series circuit; • recognise some common conductors and insulators, and associate metals with being good conductors.		
Materials	 Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about the differences between materials and changes they notice Understand some important processes and changes in the natural world 	Pupils should be taught to: • 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;	Pupils should be taught to: • 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,	Pupils should be taught to: • 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.	Pupils should be taught to: • 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	Pupils should be taught to: • 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, and	



- / Illiai i	around them,	• compare and	bending, twisting	evaporation and	describe how to	$\overline{}$
	including the	group together a	and stretching.	condensation	recover a	
	seasons and	variety of	and strettining.	in the water	substance from	
		•				
	changing states	everyday		cycle and	a solution;	
	of matter	materials on		associate	• use knowledge	
		the basis of		the rate of	of solids, liquids	
		their simple		evaporation	and gases to	
		physical 		with	decide how	
		properties.		temperature.	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	



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		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.