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Knowledge	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Progression	=11.0			Toui o	100.	. Gail G	1001.0
	I know that different animals	I know how to describe and compare	I know how to name and locate parts	I know how to identify that animals,	I know how to describe the simple	I know how to describe the changes as	I know how to identify and name the
	have different body parts (some	observable features of animals from a	of the human body, including those	including humans, need the right	functions of the basic parts of the	humans develop to old age	main parts of the human circulatory
	have no legs, some have lots)	range of groups	related to the senses and describe	types and amount of nutrition, and	digestive system in humans		system, and describe the functions of
	I know that different animals	I know how to group animals	them	that they cannot make their own	I know how to identify the different		the heart, blood vessels and blood
	like different foods and live in	according to what they eat	I know how to describe the basic needs	food; they get nutrition from what	types of teeth in humans and their		I know how to recognise the impact of
	difference places	I know how to identify and name a	of animals for survival and the main	they eat	simple functions		diet, exercise, drugs and lifestyle on
	I know that some animals are	variety of common animals including	changes as offspring from young	I know how to identify that humans	I know how to construct and		the way their bodies function
	big and some animals are small	fish, amphibians, reptiles, mammals	animals, including humans, grow into	and some other animals have	interpret a variety of food chains,		I know how to describe the ways in
	I know that butterflies do not	and birds	adults	skeletons and muscles for support,	identifying producers, predators		which nutrients and water are
	start out looking like butterflies	I know how to identify and name a	I know how to group animals according	protection and movement	and prey		transported within animals, including
	(undergo metamorphosis)	variety of common animals that are	to what they eat, describe how animals				humans
	I know how to talk about	carnivores, herbivores and omnivores	get their food from other animals				
	different places an animals	I know how to name and locate parts	and/or plants, and use simple food				
	might live I know that some animals	of the human body, including those related to the senses	chains to describe these relationships I know how to describe the importance				
	hibernate	I know how to describe and compare	for humans of exercise, eating the right				
	I know that some animals are	observable features of animals from a	amounts of different types of food, and				
	adapted to live under the sea	range of groups	hygiene				
	and that humans are adapted to	I know how to describe and compare	I know how to describe the basic needs				
Animals including	live on land	the structure of a variety of common	of animals, including humans, for				
humans	I know that if I wash my hands	animals (fish, amphibians, reptiles,	survival (water, food and air)				
	then that will kill off germs	birds and mammals, including pets)	Vocab:				
	I know about the importance of	I know how to identify, name, draw	egg, chick, chicken; egg, caterpillar,				
	a healthy diet	and label the basic parts of the human	pupa, butterfly; spawn, tadpole, frog;				
	I know I cannot eat unhealthy	body and say which part of the body is	lamb, sheep				
	foods like chips and pizza	associated with each sense	I know how to describe the importance				
	everyday and I need a variety of	I know how to take care of animals	for humans of exercise, eating the right				
	food	taken from their habitat and	amounts of different types of food, and				
	I know about the importance of	understand the need to return them	hygiene				
	a healthy exercise regime	safely to their homes	I know how to describe the importance				
	I know that exercise is good for	I know how to use the vocabulary and	for humans of exercise, eating the right				
	my body.	identify: head, neck, arms, elbows,	amounts of different types of food, and				
		legs, knees, face, ears, eyes, hair,	hygiene				
		mouth and teeth					
		Vocab Humans and animals: head, neck, arms, elbows,					
		legs, knees, face, ears, eyes, hair, mouth and teeth					
	I know that objects are made	I know how to distinguish objects	I know how to distinguish objects from			I know how to compare and group	
	from different materials I know about similarities and	from materials, describe their properties, identify and group	materials, describe their properties,			together everyday materials on the basis	
	differences in relation to places,	everyday materials	identify and group everyday materials and compare their suitability for			of their properties, including their hardness, solubility, transparency,	
	objects, materials and living	I know how to distinguish between an	different uses			conductivity (electrical and thermal), and	
	things	object and the material from which it	I know how to identify and compare the			response to magnets	
	I know how to about the	is made	suitability of a variety of everyday			I know how to recognise that some	
	features of my immediate	I know how to identify and name a	materials, including wood, metal,			materials will dissolve in liquid to form a	
	environment and how	variety of everyday materials,	plastic, glass, brick, rock, paper and			solution, and describe how to recover a	
	environments might vary from	including wood, plastic, glass, metal,	cardboard for particular uses			substance from a solution	
	one another	water, and rock	I know how to describe how the shapes			I know how to use knowledge of solids,	
	I know how to make	I know how to describe the simple	of solid objects made from some			liquids and gases to decide how mixtures	
Everyday Materials	observations of animals and	physical properties of a variety of	materials can be changed by squashing,			might be separated, including through	
	plants and explain why some	everyday materials	bending, twisting and stretching			filtering, sieving and evaporating	
	things occur, and talk about	I know how to compare and group				I know how to give reasons, based on	
	changes	together a variety of everyday				evidence from comparative and fair	
		materials on the basis of their simple				tests, for the particular uses of everyday	
		physical properties				materials, including metals, wood and	
		Vocab Materials: hard/soft; stretchy/stiff; shiny/dull;				plastic	
		rough/smooth; bendy/not bendy; waterproof/not				I know how to demonstrate that	
		waterproof; absorbent/not absorbent;				dissolving, mixing and changes of state	
		opaque/transparent. brick, paper, fabrics, elastic, foil.				are reversible changes	
						I know how to explain that some changes result in the formation of new materials,	
						and that this kind of change is not usually	
						and that this kind of change is not usually	



					reversible, including changes associated with burning and the action of acid on	
					bicarbonate of soda	
Light			I know how to recognise that he/she needs light in order to see things and that dark is the absence of light I know how to notice that light is reflected from surfaces I know how to recognise that light from the sun can be dangerous and that there are ways to protect eyes I know how to find patterns in the way that the size of shadows change I know that it is not safe to look directly at the sun, even when wearing dark glasses			I know how to recognise that light appears to travel in straight lines I know how to 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 I know how to 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 I know how to use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them
Magnets	I know that magnets are 'sticky' without being sticky. I know magnets stick to certain materials (metals) I know how to find an object which a magnet will stick to		I know how to compare how things move on different surfaces I know how to notice that some forces need contact between two objects, but magnetic forces can act at a distance I know how to compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials I know how to describe magnets as having two poles			
Electricity	I know how to identify that it is	I know how to observe and describe		I know how to identify common appliances that run on electricity I know how to 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 I know how to recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit I know how to recognise some common conductors and insulators, and associate metals with being good conductors		I know how to associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit I know how to 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 I know how to use recognised symbols when representing a simple circuit in a diagram
Seasonal changes	Autumn, Winter, Summer and Spring I know how to identify seasonal colours	changes across the four seasons I know how to observe and describe weather associated with the seasons and how day length varies				



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	I know that lots of new life begins in the Spring time	I know that it is not safe to look directly at the sun, even when wearing dark glasses					
	I know how to choose appropriate clothing for the						
	seasons						
	I know that plants need sun to	I know how to identify and name a	I know how to describe the basic needs	I know how to identify and describe			
	grow I know that plants need water	variety of common wild and garden plants, including deciduous and	of plants for survival and the impact of changing these and the main changes	the functions of different parts of flowering plants: roots, stem/trunk,			
	to grow	evergreen trees	as seeds and bulbs grow into mature	leaves and flowers			
	I know that most plants need	I know how to identify and describe	plants	I know how to explore the			
	soil and nutrients to grow I know some plants grow from	the basic structure of a variety of common flowering plants, including	I know how to observe and describe how seeds and bulbs grow into mature	requirements of plants for life and growth (air, light, water, nutrients			
	seeds	trees	plants	from soil, and room to grow) and			
Plants		I know how to identify and name a variety of common wild and garden	I know how to find out and describe how plants need water, light and a	how they vary from plant to plant I know how to investigate the way in			
		plants, including deciduous and	suitable temperature to grow and stay	which water is transported within			
		evergreen trees Vocab	healthy Vocab:	plants I know how to explore the part that			
		Plants: leaves, flowers (blossom), petals, fruit,	bulbs. germination, reproduction	flowers play in the life cycle of			
		roots, bulb, seed, trunk, branches, stem.	(questions that recognise growth),	flowering plants, including			
			growth, survival	pollination, seed formation and seed dispersal			
	I know about similarities and		I know how to identify whether things		I know how to recognise that living	I know how to describe the differences in	I know how to describe how living
	differences in relation to living things and their habitats		are alive, dead or have never lived I know how to explore and compare the		things can be grouped in a variety of ways	the life cycles of a mammal, an amphibian, an insect and a bird	things are classified into broad groups according to common observable
	I know how to talk about the		differences between things that are		I know how to explore and use	I know how to describe the life process	characteristics and based on
	features of my own immediate environment and how		living, dead, and things that have never been alive		classification keys to help group, identify and name a variety of living	of reproduction in some plants and animals	similarities and differences, including micro-organisms, plants and animals
	environments might vary from		I know how to name different plants		things in their local and wider		I know how to give reasons for
	one another I know how to make		and animals and describe how they are suited to different habitats		environment I know how to recognise that		classifying plants and animals based on specific characteristics
	observations of animals and		I know how to identify that most living		environments can change and that		specific characteristics
	plants and explain why some things occur, and talk about		things live in habitats to which they are suited and describe how different		this can sometimes pose dangers and have an impact on living things		
	changes.		habitats provide for the basic needs of		and have an impact on living things		
Living things and			different kinds of animals and plants,				
their habitats			and how they depend on each other I know how to identify and name a				
			variety of plants and animals in their				
			habitats, including micro-habitats I know how to describe how animals				
			obtain their food from plants and other				
			animals, using the idea of a simple food chain, and identify and name different				
			sources of food				
			Vocab: Habitat: A natural environment or				
			home of a variety of plants and animals				
			Micro-habitat: A very small habitat, for				
			example for woodlice under stones, logs or leaf litter				
				I know how to compare and group			
				together different kinds of rocks on the basis of their appearance and			
				simple physical properties			
2011				I know how to describe in simple terms how fossils are formed when			
Rocks				things that have lived are trapped			
				within rock I know how to recognise that soils			
				are made from rocks and organic			
				matter.			



I know how to compare how things move on different surfaces. I know how to notice that some forces need contact between two objects, but magnetic forces can act at a distance. I know how to compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. I know how to redefine registers as howing two poles. I know how to perfect magnets as howing two poles. I know how to redefine registers a howing two poles. I know how to the destrict of the poles are feet. I know how to the pole to the poles are feet. I know how to the pole to the poles are feet. I know how to the pole to the
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between the volume of a sound and
the strength of the vibrations that
produced it
I know how to recognise that
sounds get fainter as the distance
from the sound source increases
I know how to compare and group
materials together, according to
whether they are solids, liquids or
gases
I know how to observe that some
materials change state when they
are heated or cooled, and measure
States of matter or research the temperature at
which this happens in degrees
Celsius (°C)
I know how to identify the part
played by evaporation and
condensation in the water cycle and
associate the rate of evaporation
with temperature
I know how to describe the movement of
the Earth, and other planets, relative to
the Sun in the solar system
I know how to describe the movement of
the Moon relative to the Earth
I know how to describe the Sun, Earth
and Moon as approximately spherical
bodies by the control of the control
Fourth and Space
Earth and Space rotation to explain day and night and the
apparent movement of the sun across
the sky
I know that the Sun is a star at the centre
of our solar system and that it has eight
planets: Mercury, Venus, Earth, Mars,
Jupiter, Saturn, Uranus and Neptune
(D) the true replaceified as a (d) work place)
(Pluto was reclassified as a 'dwarf planet' in 2006).



				I know that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).	
					I know how 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
Evolution and inheritance					I know how to recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents I know how to identify how animals
		Pupils might find out about people who		They should find out about the work of	and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution Pupils might find out about the
		have developed useful new materials, for example John Dunlop, Charles Macintosh or John McAdam.		naturalists and animal behaviourists, for example, David Attenborough and Jane Goodall	significance of the work of scientists such as Carl Linnaeus, a pioneer of classification
				They should find out about how chemists create new materials, for example, Spencer Silver, who invented the glue for sticky notes or Ruth Benerito, who invented wrinkle-free cotton.	Pupils might find out about the work of palaeontologists such as Mary Anning and about how Charles Darwin and Alfred Wallace developed their ideas on evolution.
Famous Scientists				Pupils should find out about the way that ideas about the solar system have developed, understanding how the geocentric model of the solar system gave way to the heliocentric model by considering the work of scientists such as Ptolemy, Alhazen and Copernicus.	
				Pupils might find out how scientists, for example, Galileo Galilei and Isaac Newton helped to develop the theory of gravitation.	