



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals, Including Humans	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 <u>).</u> Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).	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 (moved to living things and their habitats).	Describe the changes as humans develop to old age. Pupils should draw a timeline to indicate stages in the growth and development of humans. They should learn about the changes experienced in puberty.	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.





Living Things And Their Habitats	differences that are liv things that alive. Identify that things live which they describe ho habitats pro- basic needs kinds of an and how the each other. Identify an of plants an their habita microhabit how anima food from animals, us	d name a variety nd animals in ats, including ats. Describe ls obtain their plants and other sing the idea of a	Recognise that 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.	Describe the 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.	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. Give reasons for classifying plants and animals based on specific characteristics.
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	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.	Recognise that 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 (from Living Things and Their Habits) (Plants can be grouped into categories such as flowering plants (including grasses) and non-flowering plants, such as ferns and mosses.)	Describe the life process of reproduction in some plants and animals (from Living Things and Their Habitats)	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals give reasons for classifying plants and animals based on specific characteristics (from Living Things and Their Habitats).
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Materials	Everyday Materials 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 variety of everyday materials on the basis of their simple physical properties.	<u>Uses Of Everyday</u> <u>Materials</u> 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.	Rocks 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.	States of Matter 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.	Properties and Changes of MaterialsCompare 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 describe how to recover a substance from a solution.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, including changes associated with burning and the action of acid on bicarbonate of soda.	



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Forces		Forces and magnets.		Forces			
		Compare how things move on different surfaces.		Explain that unsupported objects fall towards the Earth because of the force			
		Notice that some forces need contact between two objects, but magnetic forces		of gravity acting between the Earth and the falling object.			
		can act at a distance. Observe how magnets		Identify the effects of air resistance, water			
		attract or repel each other and attract some materials and not others.		resistance and friction, that act between moving surfaces.			
		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.		Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.			
		Describe magnets as having two poles.					
		Predict whether two magnets will attract or repel each other, depending on which poles are facing.					



Light	Identify, name, draw and label the basic parts	Recognise that they need light in order to see things		Recognise that light appears to travel in
	-			
	of the human body and	and that dark is the absence		straight lines.
	say which part of the	of light.		
	body is associated with			Use the idea that light
	each sense (Animals,	Notice that light is reflected		travels in straight
	including Humans)	from surfaces.		lines to explain that
	Including Humans)			objects are seen
		Recognise that light from		because they give out
		the sun can be dangerous		or reflect light into the
		and that there are ways to		-
		•		eye.
		protect their eyes.		
				Explain that we see
		Recognise that shadows are		things because light
		formed when the light from		travels from light
		a light source is blocked by		sources to our eyes or
		an opaque object.		from light sources to
				objects and then to
		Find patterns in the way		our eyes.
		that the size of shadows		
		change.		Use the idea that light
		change.		travels in straight
				lines to explain why
				shadows have the
				same shape as the
				objects that cast them.





	e Great Definiter Trogression Map	
Electricity	Identify common appliances that run on electricity.	Associate the brightness of a lamp or the volume of a
		buzzer with the
	Construct a simple series	number and voltage of
	electrical circuit,	cells used in the
	identifying and naming its	circuit.
	basic parts, including cells,	circuit.
	wires, bulbs, switches and	Compare and give
	buzzers.	reasons for variations
	buzzers.	in how components
	Identify whether or not a	function, including
	lamp will light in a simple	the brightness of
	series circuit, based on	bulbs, the loudness of
	whether or not the lamp is	buzzers and the on/off
	part of a complete loop	position of switches.
	with a battery.	position of switches.
	with a battery.	Use recognised
	Recognise that a switch	symbols when
	opens and closes a circuit	representing a simple
	and associate this with	circuit in a diagram.
	whether or not a lamp	cheut in a diagram.
	lights in a simple series	
	circuit.	
	cheun.	
	Recognise some common	
	conductors and insulators,	
	and associate metals with	
	being good conductors.	
	ooning good conductors.	





Evolution and	I	Describe the importance for	Describe in simple terms	Recognise that	Recognise that living
Inheritance	h	numans of exercise, eating	how fossils are formed	environments can change	things have changed
Inneritance	ť	he right amounts of	when things that have lived	and that this can sometimes	over time and that
		lifferent types of food, and	are trapped within rock	pose dangers to living	fossils provide
		nygiene. (Animals,	(Rocks)	things (Living things and	information about
		ncluding Humans)	(1100110)	their Habitats).	living things that
	1	<u>incruding frumansy</u>		<u>ulen muoruus</u>).	inhabited the Earth
	I	dentify that most living			
					millions of years ago.
		hings live in habitats to			Decoming that living
		which they are suited and			Recognise that living
		describe how different			things produce
		nabitats provide for the			offspring of the same
		pasic needs of different			kind, but normally
	k	kinds of animals and plants,			offspring vary and are
	a	and how they depend on			not identical to their
	e	each other. (Living Things			parents.
		and Their Habitats)			-
		<i>`</i>			Identify how animals
					and plants are adapted
					to suit their
					environment in
					different ways and
					that adaptation may
					lead to evolution.







