

		Animals inclu	uding humans		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 identify and name a 	 notice that animals, 	 identify that animals, 	 describe the simple 	• describe the changes as	 identify and name the
variety of common	including humans, have	including humans, need	functions of the basic	humans develop to old	main parts of the human
animals including fish,	offspring which grow into	the right types and	parts of the digestive	age.	circulatory system, and
amphibians, reptiles,	adults find out about and	amount of nutrition, and	system in humans		describe the functions of
birds and mammals	 describe the basic 	that they cannot make	 identify the different 		the heart, blood vessels
 identify and name a 	needs of animals,	their own food; they get	types of teeth in humans		and blood
variety of common	including humans, for	nutrition from what they	and their simple		 recognise the impact of
animals that are	survival (water, food and	eat	functions		diet, exercise, drugs and
carnivores, herbivores	air)	 identify that humans 	 construct and interpret 		lifestyle on the way their
and omnivores	 describe the 	and some other animals	a variety of food chains,		body's function
describe and compare	importance for humans	have skeletons and	identifying producers,		 describe the ways in
the structure of a variety	of exercise, eating the	muscles for support,	predators and prey.		which nutrients and
of common animals (fish,	right amounts of	protection and			water are transported
amphibians, reptiles,	different types of food,	movement.			within animals, including
birds and mammals,	and hygiene.				humans.
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.					
	1		nd their habitats	1	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	• explore and compare		• recognise that living	• describe the	• describe how living
	the differences between		things can be grouped in	differences in the life	things are classified into
	things that are living,		a variety of ways	cycles of a mammal, an	broad groups according
					to common observable



their hardness, solubility,

	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 food.		 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. (online learning) 	amphibian, an insect and a bird • describe the life process of reproduction in some plants and animals	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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Year 1 Everyday Materials	Year 2 Uses of everyday materials	Year 3 Magnets	Year 4 States of Matter	Year 5 Properties and changes of	Year 6
 distinguish between an 	 identify and compare 	• compare how things	• compare and group	materials	
object and the material	the suitability of a variety	move on different	materials together,	 compare and group 	
-			u	together everyday	
from which it is made	of everyday materials,	surfaces notice that some	according to whether	materials on the basis of	
 identify and name a 	including wood, metal,	forces need contact	they are solids, liquids or		
variety of everyday	plastic, glass, brick, rock,	between two objects, but	gases	their properties, including	
1					



materials including	nanor and cardboard for	magnetic forces can act	 observe that some 	transparancy	
materials, including	paper and cardboard for	magnetic forces can act		transparency,	
wood, plastic, glass,	particular uses	at a distance	materials change state	conductivity (electrical	
metal, water, and rock	• find out how the	 observe how magnets 	when they are heated or	and thermal), and	
 describe the simple 	shapes of solid objects	attract or repel each	cooled, and measure or	response to magnets	
physical properties of a	made from some	other and attract some	research the temperature	 know that some 	
variety of everyday	materials can be changed	materials and not others	at which this happens in	materials will dissolve in	
materials	by squashing, bending,	 compare and group 	degrees Celsius (°C)	liquid to form a solution,	
 compare and group 	twisting and stretching.	together a variety of	 identify the part played 	and describe how to	
together a variety of		everyday materials on	by evaporation and	recover a substance from	
everyday materials on		the basis of whether they	condensation in the	a solution	
the basis of their simple		are attracted to a	water cycle and associate	 use knowledge of 	
physical properties.		magnet, and identify	the rate of evaporation	solids, liquids and gases	
		some magnetic materials	with temperature.	to decide how mixtures	
		 describe magnets as 		might be separated,	
		having two poles predict		including through	
		whether two magnets		filtering, sieving and	
		will attract or repel each		evaporating	
		other, depending on		 give reasons, based on 	
		which poles are facing		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	



		Pla	Ints	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	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 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, 	Year 4	Year 5	Year 6



		seed formation and seed			
		dispersal.			
		L	ight		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Recognise that they need			 Recognise that light
		light in order to see			appears to travel in
		things and that dark is			straight lines
		the absence of light			 Use the idea that light
		 Notice that light is 			travels in straight lines to
		reflected from surfaces			explain that objects are
		 Recognise that light 			seen because they give
		from the sun can be			out or reflect light into
		dangerous and that there			the eye
		are ways to protect their			 Explain that we see
		eyes			things because light
		 Recognise that 			travels from light sources
		shadows are formed			to our eyes or from light
		when the light from a			sources to objects and
		light source is blocked by			then to our eyes
		a solid objects.			 Use the idea that light
		 Find patterns in the 			travels in straight lines to
		way that the size of			explain why shadows
		shadows change.			have the same shape as
					the objects that cast
					them
		Elec	tricity		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			 Identify common 		 Associate the
			appliances that run on		brightness of a lamp or
			electricity		the volume of a buzzer



			 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 whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate match with basics. 		 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.
			metals with being good		
			conductors.		
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Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		• Compare how things		• Explain that	
		move on different		unsupported objects fall	
		surfaces. ● Notice that		towards the Earth	
		some forces need contact		because of the force of	



		between 2 objects, but		gravity acting between	
		magnetic forces can act		the Earth and the falling	
		at a distance.		object.	
		 Observe how magnets 		 Identify the effects of 	
		attract or repel each		air resistance, water	
		other and attract some		resistance and friction,	
		materials and not others.		that act between moving	
		 Compare and group 		surfaces.	
		together a variety of		 Recognise that some 	
		everyday materials on		mechanisms including	
		the basis of whether they		levers, pulleys and gears	
		are attracted to a		allow a smaller force to	
		magnet, and identify		have a greater effect	
		some magnetic materials.		have a greater effect	
		• Describe magnets as			
		-			
		having 2 poles.Predict whether 2			
		magnets will attract or			
		repel each other,			
		depending on which			
		poles are facing.			
			cks	~ ~	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		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.			
			und		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			 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 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		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				• 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.	
			ution and Inheritance		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					 Recognise that living
					things have changed over
					time and that fossils
					provide information
					about living things that



					-	
Γ						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
			Working Sc	ientifically	•	
			VUI KIIIg JC			
Year	1	Year 2	Year 3	Year 4	Year 5	Year 6
			Year 3	Year 4		Year 6 s should be taught to use the
Durin	g years 1 and 2, pupils	should be taught to use the	Year 3 During years 3 and 4, pupils	Year 4 should be taught to use the	During years 5 and 6, pupils	s should be taught to use the
Durin follow	g years 1 and 2, pupils ring practical scientifi	s should be taught to use the ic methods, processes and	Year 3 During years 3 and 4, pupils following practical scientifie	Year 4 should be taught to use the c methods, processes and	During years 5 and 6, pupils following practical scientif	
Durin follow	g years 1 and 2, pupils ring practical scientifi through the teaching	s should be taught to use the ic methods, processes and of the programme of study	Year 3 During years 3 and 4, pupils following practical scientifie	Year 4 should be taught to use the c methods, processes and	During years 5 and 6, pupils following practical scientif	s should be taught to use the ic methods, processes and
Durin follow skills	g years 1 and 2, pupils ving practical scientifi through the teaching nt:	s should be taught to use the ic methods, processes and of the programme of study	Year 3 During years 3 and 4, pupils following practical scientific skills through the teaching o content:	Year 4 should be taught to use the c methods, processes and	During years 5 and 6, pupils following practical scientif skills through the teaching content:	s should be taught to use the ic methods, processes and
Durin follow skills conte	g years 1 and 2, pupils ving practical scientifi through the teaching nt:	should be taught to use the ic methods, processes and of the programme of study stions and recognising that	Year 3 During years 3 and 4, pupils following practical scientific skills through the teaching o content:	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different	During years 5 and 6, pupils following practical scientif skills through the teaching content: • planning different typ	s should be taught to use the ic methods, processes and of the programme of study
Durin follow skills conte	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif	should be taught to use the ic methods, processes and of the programme of study stions and recognising that	Year 3 During years 3 and 4 , pupils following practical scientifies skills through the teaching of content: • asking relevant que	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them	During years 5 and 6, pupils following practical scientif skills through the teaching content: • planning different typ answer questions, i	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and
Durin follow skills conte	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment	Year 3 During years 3 and 4 , pupils following practical scientific skills through the teaching of content: • asking relevant que types of scientific enquiries	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them	During years 5 and 6, pupils following practical scientif skills through the teaching content: • planning different typ answer questions, i controlling variables wh	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and nere necessary
During follow skills conte • they •	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif observing closely, us	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment ests	Year 3 During years 3 and 4 , pupils following practical scientifies skills through the teaching of content: • asking relevant que types of scientific enquiries • setting up simp comparative and fair tests	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them ple practical enquiries,	During years 5 and 6, pupils following practical scientif skills through the teaching content: planning different type answer questions, i controlling variables wh taking measuremen	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and
During follow skills conte • they •	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif observing closely, us performing simple to identifying and class	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment ests sifying	Year 3 During years 3 and 4 , pupils following practical scientific skills through the teaching of content: • asking relevant que types of scientific enquiries • setting up simp comparative and fair tests • making systematic and	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them ple practical enquiries, nd careful observations and,	During years 5 and 6, pupils following practical scientif skills through the teaching content: planning different type answer questions, i controlling variables wh taking measuremen	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and here necessary its, using a range of scientific ng accuracy and precision,
Durin follow skills conte they • •	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif observing closely, us performing simple to identifying and class	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment ests sifying	Year 3 During years 3 and 4, pupils following practical scientific skills through the teaching of content: • asking relevant que types of scientific enquiries • setting up simp comparative and fair tests • making systematic and where appropriate, taking	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them ple practical enquiries, nd careful observations and,	During years 5 and 6, pupils following practical scientif skills through the teaching content: • planning different typ answer questions, i controlling variables wh • taking measuremen equipment, with increasing taking repeat readings whe	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and here necessary hts, using a range of scientific ng accuracy and precision, n appropriate
Durin follow skills conte they • •	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif observing closely, us performing simple to identifying and class using their observa ers to questions	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment ests sifying ations and ideas to suggest	Year 3 During years 3 and 4, pupils following practical scientifies skills through the teaching of content: asking relevant que types of scientific enquiries setting up simple comparative and fair tests making systematic and where appropriate, taking using standard units, using	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them ple practical enquiries, nd careful observations and, g accurate measurements ng a range of equipment,	 During years 5 and 6, pupils following practical scientif skills through the teaching content: planning different type answer questions, is controlling variables whe taking measurement taking repeat readings whe recording data a 	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and here necessary its, using a range of scientific ng accuracy and precision, n appropriate and results of increasing
Durin follow skills conte they answ	g years 1 and 2, pupils ring practical scientifi through the teaching nt: asking simple ques can be answered in dif observing closely, us performing simple to identifying and class using their observa ers to questions	s should be taught to use the ic methods, processes and of the programme of study stions and recognising that ferent ways sing simple equipment ests sifying ations and ideas to suggest	Year 3 During years 3 and 4, pupils following practical scientific skills through the teaching of content: asking relevant que types of scientific enquiries setting up simple comparative and fair tests making systematic and where appropriate, taking using standard units, using including thermometers and	Year 4 should be taught to use the c methods, processes and of the programme of study estions and using different to answer them ple practical enquiries, nd careful observations and, g accurate measurements ng a range of equipment, d data loggers	 During years 5 and 6, pupils following practical scientif skills through the teaching content: planning different type answer questions, i controlling variables whe taking measurement, equipment, with increasing taking repeat readings whe ecording data a complexity using scientification in the scientification of the scientication of the scientication of the scientification of the scie	s should be taught to use the ic methods, processes and of the programme of study es of scientific enquiries to including recognising and here necessary its, using a range of scientific ng accuracy and precision,



language, drawings, labelled diagrams, keys, bar charts	, further comparative and fair tests
and tables	reporting and presenting findings from enqui
 reporting on findings from enquiries, including 	g including conclusions, causal relationships
oral and written explanations, displays or presentation	s explanations of and a degree of trust in results, in
of results and conclusions	and written forms such as displays and of
• using results to draw simple conclusions, mak	e presentations
predictions for new values, suggest improvements and	 identifying scientific evidence that has been ι
raise further questions	to support or refute ideas or arguments
• identifying differences, similarities or change	s
related to simple scientific ideas and processes	
• using straightforward scientific evidence to	n
answer questions or to support their findings.	
answer questions of to support their mulligs.	