



Year Group	Animals inc humans	Plants	Living things and their habitats	Rocks	Light	Forces and Magnets	States of Matter	Sound	Electricity
	identify that	identify and		compare and	Recognise that	compare how			
	animals,	describe the		group together	they need light	things move			
	including	functions of		different kinds	in order to see	on different			
	humans, need	different parts		of rocks on the	things and that	surfaces			
	the right types	of flowering		basis of their	dark is the				
	and amount of	plants: roots,		appearance	absence of				
	nutrition, and	stem/trunk,		and simple	light				
	that they	leaves and		physical					
	cannot make	flowers		properties					
	their own								
	food; they get								
	nutrition from								
	what they eat								
	identify that	explore the		describe in	notice that	notice that			
	humans and	requirements		simple terms	light is	some forces			
3	some other	of plants for		how fossils are	reflected from	need contact			
	animals have	life and growth		formed when	surfaces	between two			
	skeletons and	(air, light,		things that		objects, but			
	muscles for	water,		have lived are		magnetic			
	support,	nutrients from		trapped within		forces can act			
	protection and	soil, and room		rock		at a distance			
	movement	to grow) and							
		how they vary							
		from plant to							
		plant							
		investigate the		recognise that	recognise that	observe how			
		way in which		soils are made	light from the	magnets			
		water is		from rocks and	sun can be	attract or repel			
		transported		organic matter	dangerous and	each other and			
		within plants			that there are	attract some			
					ways to				





	protect their eyes	materials and not others
explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal	find patterns in the way that the size of shadows change	describe magnets as having two poles
	Recognise that shadows are formed when the light from a light source is blocked by a solid object	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
		predict whether two magnets will attract or repel each other, depending on which poles are facing





Year Group	Animals inc humans	Plants	Living things and their habitats	Rocks	Light	Forces and Magnets	States of Matter	Sound	Electricity
	Describe the							lalamatifu la acco	idontif.
			recognise that				compare and	Identify how	identify
	simple functions of		living things can be				group	sounds are	common
							materials	made,	appliances that
	the basic parts		grouped in a				together,	associating	run on
	of the		variety of ways				according to	some of them	electricity
	digestive						whether they	with	
	system in						are solids,	something	
	humans						liquids or gases	vibrating	
	identify the		explore and				observe that	recognise that	construct a
	different types		use				some	vibrations	simple series
	of teeth in		classification				materials	from sounds	electrical
	humans and		keys to help				change state	travel through	circuit,
	their simple		group, identify				when they are	a medium to	identifying and
	functions		and name a				heated or	the ear	naming its
			variety of living				cooled, and		basic parts,
			things in their				measure or		including cells,
			local and wider				research the		wires, bulbs,
4			environment				temperature		switches and
· ·							at which this		buzzers
							happens in		
							degrees		
							Celsius		
	construct and		recognise that				identify the	find patterns	identify
	interpret a		environments				part played by	between the	whether or not
	variety of food		can change				evaporation	pitch of a	a lamp will
	chains,		and that this				and	sound and	light in a
	identifying		can sometimes				condensation	features of the	simple series
	producers,		pose dangers				in the water	object that	circuit, based
	predators and		to living things				cycle and	produced it	on whether or
	prey						associate the		not the lamp is
							rate of		part of a





							evaporation with temperature		complete loop with a battery
								recognise that sounds get fainter as the distance from the sound source increases	recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
								find patterns between the volume of a sound and the strength of the vibrations that produced it	recognise some common conductors and insulators, and associate metals with being good conductors
Year Group	Animals inc humans	Plants	Living things and their habitats	Earth & Space	Light	Forces	Properties and Changes of Materials	Sound	Electricity
5	describe the changes as humans develop to old age		describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird	describe the movement of the Earth, and other planets, relative to the Sun in the solar system		explain that unsupported objects fall towards the Earth because of the force of gravity acting between the	compare and group together everyday materials on the basis of their properties, including their hardness,		





			Earth and the	and to be titled.	
				solubility,	
			falling object	transparency,	
				conductivity	
				(electrical and	
				thermal), and	
				response to	
				magnets	
	describe the	describe the	identify the	know that	
	life process of	movement of	effects of air	some	
	reproduction	the Moon	resistance,	materials will	
	in some plants	relative to the	water	dissolve in	
	and animals	Earth	resistance and	liquid to form	
			friction, that	a solution, and	
			act between	describe how	
			moving	to recover a	
			surfaces	substance	
			33.1.0.333	from a solution	
	describe how	describe the	recognise that	Use knowledge	
	living things	Sun, Earth and	some	of solids,	
	are classified	Moon as	mechanisms,	liquids and	
	into broad	approximately	including	gases to	
	groups	spherical	levers, pulleys	decide how	
	according to	bodies	and gears,	mixtures might	
	common	boules	allow a smaller	be separated,	
	observable		force to have a		
				including	
	characteristics		greater effect	through	
	and based on			filtering,	
	similarities and			sieving and	
	differences,			evaporating	
	including				
	micro-				
	organisms,				
	plants and				
	animals				





give reas	ons use the idea of	explain that	give reasons,	
for classi		unsupported	based on	
plants ar	, ,	objects fall	evidence from	
animals		towards the	comparative	
on speci	, ,	Earth because	and fair tests,	
characte		of the force of	for the	
	movement of	gravity acting	particular uses	
	the sun across	between the	of everyday	
	the sky	Earth and the	materials,	
	,	falling object	including	
		0 ,	metals, wood	
			and plastic	
describe	the describe the	identify the	demonstrate	
difference	es in movement of	effects of air	that dissolving,	
the life o	cles the Earth, and	resistance,	mixing and	
of a man	mal, other planets,	water	changes of	
an amph		resistance and	state are	
an insect	and a Sun in the	friction, that	reversible	
bird	solar system	act between	changes	
		moving		
		surfaces		
		recognise that	Explain that	
		some	some changes	
		mechanisms,	result in the	
		including	formation of	
		levers, pulleys	new materials,	
		and gears,	and that this	
		allow a smaller	kind of change	
		force to have a	is not usually	
		greater effect	reversible,	
			including	
			changes	
			associated	
			with burning	





Year Group	Animals inc humans	Evolution and Inheritance	Living things and their habitats	Rocks	Light	Forces	and the action of acid on bicarbonate of soda  Properties and Changes of Materials	Sound	Electricity
	identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood	recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents			recognise that light appears to travel in straight lines				associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
6	recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function	identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution			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				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





describe the	recognise that	explain that		use recognised
ways in which	living things	we see things		symbols when
nutrients and	produce	because light		representing a
water are	offspring of	travels from		simple circuit
transported	the same kind,	light sources to		in a diagram
within animals,	but normally	our eyes or		
including	offspring vary	from light		
humans	and are not	sources to		
	identical to	objects and		
	their parents	then to our		
		eyes		
		use the idea		associate the
		that light		brightness of a
		travels in		lamp or the
		straight lines		volume of a
		to explain why		buzzer with
		shadows have		the number
		the same		and voltage of
		shape as the		cells used in
		objects that		the circuit
		cast them		