	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Year 3	Light I can recognise that they need light in order to see things and that dark is the absence of light I can notice that light is reflected from surfaces I can recognise that light from the sun can be dangerous and that there are ways to protect their eyes I can recognise that shadows are formed when the light from a light source is blocked by a solid object I can find patterns in the way that the size of shadows change.	Forces and magnets I can compare how things move on different surfaces I can notice that some forces need contact between two objects, but magnetic forces can act at a distance I can observe how magnets attract or repel each other and attract some materials and not others describe magnets as having two poles I can predict whether two magnets will attract or repel each other, depending on which poles are facing. I can 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	Animals, including humans I can 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 I can identify that humans and some other animals have skeletons and muscles for support, protection and movement.	Rocks and soils I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties I can describe in simple terms how fossils are formed when things that have lived are trapped within rock I can recognise that soils are made from rocks and organic matter.	Rocks continued I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties I can describe in simple terms how fossils are formed when things that have lived are trapped within rock I can recognise that soils are made from rocks and organic matter.	Plants I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers I can 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 I can investigate the way in which water is transported within plants I can explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Year 4	Sound	States of matter	Animals, including	Animals, including	Electricity	Living things and their
	I can identify how sounds	I can compare and	humans	humans continued	I can identify common	habitats
	are made, associating	group materials	I can describe the	I can describe the	appliances that run on	I can recognise that
	some of them with	together, according	simple functions of the	simple functions of	electricity	living things can be
	something vibrating	to whether they are	basic parts of the	the basic parts of the	I can construct a	grouped in a variety of
	I can recognise that	solids, liquids or	digestive system in	digestive system in	simple series	ways
	vibrations from sounds	gases I can observe	humans I can identify	humans I can identify	electrical circuit,	I can explore and use
	travel through a medium	that some materials	the different types of	the different types of	identifying and	classification keys to
	to the ear	change state when	teeth in humans and	teeth in humans and	naming its basic parts,	help group, identify and
	I can find patterns	they are heated or	their simple functions	their simple	including cells, wires,	name a variety of living
	between the pitch of a	cooled, and	I can construct and	functions	bulbs, switches and	things in their local and
	sound and features of the	measure or research	interpret a variety of	I can construct and	buzzers	wider environment
	object that produced it I	the temperature at	food chains, identifying	interpret a variety of	I can identify whether	I can recognise that
	can find patterns between	which this happens	producers, predators and prey.	food chains,	or not a lamp will light	environments can
	the volume of a sound	in degrees Celsius	and prey.	identifying producers, predators	in a simple series	change and that this
	and the strength of the	(°C)		and prey.	circuit, based on	can sometimes pose dangers to living things.
	vibrations that produced	I can identify the		and prey.	whether or not the	uangers to inving timigs.
	it	part played by			lamp is part of a	
	I can recognise that	evaporation and			complete loop with a	
	sounds get fainter as the	condensation in the water cycle and			battery	
	distance from the sound	associate the rate of			I can recognise that a	
	source increases.	evaporation with			switch opens and	
		temperature.			closes a circuit and	
					associate this with	
					whether or not a lamp	
					lights in a simple	
					series circuit	
					I can recognise some	
					common conductors	
					and insulators, and	
					associate metals with	

					being good conductors.	
Year 5	Earth and Space I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system I can describe the movement of the Moon relative to the Earth I can describe the Sun, Earth and Moon as approximately spherical bodies I can use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	Forces I can explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object I can identify the effects of air resistance, water resistance and friction, that act between moving surfaces I can recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	Properties and changes of materials I can 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 I know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution I can use knowledge of solids, liquids and gases to decide how mixtures might be separated,	Properties and changes of materials continued I can 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 I know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution I can use knowledge of solids, liquids and	Living things and their habitats I can describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird I can describe the life process of reproduction in some plants and animals.	Animals, including humans I can describe the changes as humans develop to old age.
			including through filtering, sieving and evaporating	gases to decide how mixtures might be separated, including		

Year 6	Light	Electricity	I can give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic I can demonstrate that dissolving, mixing and changes of state are reversible changes I can 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.	through filtering, sieving and evaporating I can give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic I can demonstrate that dissolving, mixing and changes of state are reversible changes I can 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.	Living things and their	Evolution and
	I can use the idea that	I can associate the	humans	humans continued	habitats	inheritance
	light travels in straight	brightness of a lamp	I can identify and name	I can identify and	I can describe how	I can recognise that
	lines to explain that	or the volume of a	the main parts of the	name the main parts	living things are	living things have

objects	s are seen because	buzzer with the	human circulatory	of the human	classified into broad	changed over time and
they gi	ive out or reflect	number and voltage	system, and describe	circulatory system,	groups according to	that fossils provide
light in	nto the eye	of cells used in the	the functions of the	and describe the	common observable	information about living
I can e	explain that we see	circuit	heart, blood vessels	functions of the	characteristics and	things that inhabited
things	because light	I can compare and	and blood	heart, blood vessels	based on similarities	the Earth millions of
travels	s from light sources	give reasons for	I can recognise the	and blood	and differences,	years ago
to our	eyes or from light	variations in how	impact of diet,	I can recognise the	including micro-	I can recognise that
source	es to objects and	components	exercise, drugs and	impact of diet,	organisms, plants and	living things produce
then to	o our eyes	function, including	lifestyle on the way	exercise, drugs and	animals	offspring of the same
l can u	ise the idea that	the brightness of	their bodies function	lifestyle on the way	I can give reasons for	kind, but normally
	ravels in straight	bulbs, the loudness	I can describe the ways	their bodies function	classifying plants and	offspring vary and are
	o explain why	of buzzers and the	in which nutrients and	I can describe the	animals based on	not identical to their
	ws have the same as the objects that	on/off position of	water are transported	ways in which	specific	parents
cast th		switches	within animals,	nutrients and water	characteristics.	I can identify how
		I can use recognised	including humans.	are transported		animals and plants are
		symbols when		within animals,		adapted to suit their
		representing a		including humans.		environment in
		simple circuit in a				different ways and that
		diagram.				adaptation may lead to
						evolution.