



By the end of LKS2								
Plants	Animals including humans	Living things and habitats	Rocks	States of Matter	Light	Sound	Forces and Magnets	Electricity
P1: I can identify and describe the functions of different parts of flowering plants: roots,stem,trunk, leaves and flowers.	A1: 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.	LH1: I can recognise that living things can be grouped in a variety of ways.	R1: I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.	SM1: I can compare and group materials together, according to whether they are solids, liquids or gases.	L1: I can recognise that they need light in order to see things and that dark is the absence of light.	S1: I can identify how sounds are made, associating some of them with something vibrating.	F1: I can compare how things move on different surfaces.	E1: I can identify common appliances that run on electricity.
P2: 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.	A2: I can identify that humans and some other animals have skeletons and muscles for support, protection and movement.	LH2: I can explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.	R2: I can describe in simple terms how fossils are formed when things that have lived are trapped within rock.	SM2: I can 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)	L2: I can notice that light is reflected from surfaces.	S2: I can recognise that vibrations from sounds travel through a medium to the ear.	F2: I can notice that some forces need contact between 2 objects, but magnetic forces can act at a distance.	E2: I can construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.
P3: I can investigate the way in which water is	A3: I can describe the simple functions of the basic	LH3: I can recognise that environments can change and	R3: I can recognise that soils are made	SM3: I can identify the part played by evaporation and	L3: I can recognise that light from the sun can be	S3: I can find patterns between the pitch of a sound	F3: I can observe how magnets attract or repel each	E3: I can identify whether or not a lamp will light in a simple series

transported	parts of the	that this can	from rocks and	condensation in	dangerous and	and features of	other and attract	circuit, based on
within plants.	digestive system	sometimes pose	organic matter.	the water cycle	that there are	the object that	some materials	whether or not
	in humans.	dangers to living	Ū	and associate	ways to protect	produced it.	and not others.	the lamp is part
		things.		the rate of	their eyes.			of a complete
		_		evaporation with				loop with a
				temperature.				battery.
P4: I can	A4: I can				L4: I can	S4: I can find	F4: I can	E4: I can
explore the part	identify the				recognise that	patterns	compare and	recognise that a
that flowers play	different types of				shadows are	between the	group together a	switch opens
in the life cycle	teeth in humans				formed when the	volume of a	variety of	and closes a
of flowering	and their simple				light from a light	sound and the	everyday	circuit and
plants, including	functions.				source is	strength of the	materials on the	associate this
pollination, seed					blocked by an	vibrations that	basis of whether	with whether or
formation and					opaque object.	produced it.	they are	not a lamp lights
seed dispersal							attracted to a	in a simple
							magnet, and	series circuit.
							identify some	
							magnetic	
							materials.	
	A5: I can				L5: I can find	S5: I can	F5: I can	E5: I can
	construct and				patterns in the	recognise that	describe	recognise some
	interpret a				way that the size	sounds get	magnets as	common
	variety of food				of shadows	fainter as the	having 2 poles.	conductors and
	chains,				change.	distance from		insulators, and
	identifying					the sound		associate metals
	producers,					source		with being good
	predators and					increases.		conductors.
	prey.							
							F6: I can predict	
							whether 2	
							magnets will	
							attract or repel	
							each other,	
							depending on	
							which poles are	
							facing.	

Cycle A

Autun	mn	Spi	ring	Summer		
Animals including Humans	Rocks	Living things and habitats	Plants	Plants	Light	
A1, A2	R1, R2, R3	LH1, LH2, LH3	P1, P2	P3, P4	L1, L2, L3, L4	
carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine	rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorbs water, fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, types of soil (e.g. peaty, sandy, chalky, clay)	Subject Speci classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport	photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport	light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous	
	 Compare and group rocks based on their appearance and physical properties, giving a reason Know how fossils are formed Know how soil is made Know about and explain the difference between sedimentary, metamorphic and igneous rock 		 Know the function of different parts of flowing plants and trees Know the function of flowers in a flowering plant Know what helps a plant grow Know how water is transported in a plant Know what pollination is Know about seed dispersal 	 Know the function of different parts of flowing plants and trees Know the function of flowers in a flowering plant Know what helps a plant grow Know how water is transported in a plant Know what pollination is Know about seed dispersal 	 know what dark is (the absence of light) know that light is needed in order to see know that light is reflected from a surface know and demonstrate how a shadow is formed explore shadow size and explain the changes know the danger of direct sunlight and 	

Cycle B

Au	tumn	Sprir	ng	Summer		
Animals including Humans	Animals including Humans	Sound	States of Matter	Electricity	Forces and Magnets	
A3, A4, A5	A3, A4, A5	S1, S2, S3, S4, S5	SM1, SM2, SM3	E1, E2, E3, E4, E5	F1, F2, F3, F4, F5, F6	
		Subject Specific Vo				
digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey	digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey	sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, quiet, loud, insulation	solid, liquid, gas, heating, cooling, state change, melting, freezing, melting point, boiling, boiling point, evaporation, condensation, temperature, water cycle	electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol	force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole	
		I will				
 identify and name the parts of the human digestive system know the functions of the organs in the human digestive system identify and know the different types of teeth in humans know the functions of different human teeth 	 identify and name the parts of the human digestive system know the functions of the organs in the human digestive system identify and know the different types of teeth in humans know the functions of different human teeth 	 know how sound is made know how sound travels from a source to our ears know how sounds are made, associating some of them with vibrating know the correlation between pitch and the features of the object producing a sound 	 Know how the same materials can change in state Know the temperate water boils and freezes Know which materials, other than water, change state Know the difference 	 Identify and name appliances that require electricity to function Construct a series circuit Identify and name the components in a series circuit (including cells, wires, bulbs, switches and buzzers) 	 Know about and describe how objects move on different surfaces Know how a simple pulley works and used to lift an object Know how some forces require contact and some do not, giving examples 	

 use food chains to identify producers, predators and prey construct food chains to identify producers, predators and prey construct food chains to identify producers, predators and prey construct food chains to identify producers, predators and prey 	 know the correlation between the volume of a sound and the strength of the vibrations that produced it know what happens to a sound as it travels away from its source 	 between solids, liquids and gas Know the terms condensation and evaporation and know what they mean 	 Know the function of a switch Know the difference between a conductor and an insulator; giving examples of each 	 Know about and explain how magnets attract and repel Predict whether magnets will attract or repel and give a reason
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