	Foundation	Key S	age 1	Lower Ke	y Stage 2	Upper Ke	ey Stage 2
	EYFS	¥1	Y2	Y3	¥4	Y5	Y6
Animals including Humans	KUW Know about the similarities and differences in relation to places, objects, materials and living things. KUW Make observations of animals and plants and explain why some things occur and talk about changes.	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	Understand that animals, including humans, have offspring which grow into adults Describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	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.	Describe the changes as humans develop to old age.	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 (see also Evolution and inheritance)

Living Things and their Habitats	KUW Know about the similarities and differences in relation to places, objects, materials and living things. KUW Talk about the features of their own immediate environment and how environments might vary from one another.	Explore and compare the differences between things that are living, 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 micro- habitats. 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		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 micro- organisms, plants and animals. Give reasons for classifying plants and animals based on specific characteristics. - (see also Evolution and inheritance	Explore and compare the differences between things that are living, 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 micro- habitats. 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
Plants	KUW Make observations of animals and plants and explain why some things occur and talk about changes. ELG	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a	Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers			

	Explain why some things occur and talk about changes	variety of common flowering plants, including trees.	suitable temperature to grow and stay healthy	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.		
Seasonal Change	KUW Talk about the features of their own immediate environment and how environments might vary from one another. KUW Make observations of animals and plants and explain why some things occur and talk about changes. ELG Explain why some things occur and talk about changes	Observe changes across the four seasons - observe and describe weather associated with the seasons and how day length varies.				

Materials	KUW Know about the similarities and differences in relation to places, objects, materials and living things. ELG Explain why some things occur and talk about changes	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.	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.	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	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 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	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.

Rocks Image: Compare and group together different kinds of the testion of acid on bicarbonate of sode Compare and group together different kinds of the testion of acid on bicarbonate of sode Rocks Image: Compare and group together different kinds of the testion of acid on bicarbonate of sode Describe in simple testion of the basis of the testion of acid on bicarbonate of the testion of the testion of acid on bicarbonate of the testion of acid on the basis of the testion of thetesting testion of testion of testion of test					
Rocks Image: Compare and group to get the stand of the colon of a cid on bicarbonate of soda Compare and group to get the colon of a cid on bicarbonate of soda Rocks Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Rocks Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Rocks Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Rocks Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Rocks Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and group to get the colon of a cid on bicarbonate of soda Image: Compare and ge				changes of state are	
Rocks Compare and group together different kinds of rocks on the basis of their opperance and simple properties. Compare and group together different kinds of rocks on the basis of their opperance and simple properties. Compare and group together different kinds of rocks on the basis of their opperance and simple properties. Compare and group together different kinds of rocks on the basis of their opperance and simple properties. Describe in simple terms how fossils are formed when things that have lived are Describe in simple terms how fossils are formed when things					
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and their appeara				6	
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and their appeara					
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 are basis of their appearance and simple physical properties.				Explain that some	
Rocks Compare and group together different kinds of racks on the basis of their generations Compare and group together different kinds of racks on the basis of their generations Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of racks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of soda Image: Compare and group together different kinds of soda Describe in simple terms how fossils are formed when things that have lived are Image: Compare and group together different kinds together different				changes result in the	
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.					
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				materials, and that this	
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				kind of change is not	
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Image: 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 Image: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.				usually reversible,	
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. 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					
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				associated with	
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Section bicarbonate of soda Describe in simple terms how fossils are formed when things that have lived are Describe in simple					
Image: Normal state Image: Normal state<					
Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. 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					
Image: Second state of the second s	Deelve		 Compare and aroup	0.0000	
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	ROCKS		together different kinds		
Image: state of the state					
Simple physical properties. Describe in simple terms how fossils are formed when things that have lived are					
Describe in simple terms how fossils are formed when things that have lived are					
Describe in simple terms how fossils are formed when things that have lived are			simple physical		
terms how fossils are formed when things that have lived are			properties.		
terms how fossils are formed when things that have lived are					
terms how fossils are formed when things that have lived are			Describe in simple		
formed when things that have lived are					
that have lived are					
			that have lived are		
			trapped within rock.		
Recognise that soils are			Recognise that soils are		
made from rocks and					
organic matter.			organic matter.		

Light and Sound		Recognise that they need light in order to see things and that dark is the absence of light. Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. Recognise that shadows are formed when the light from a light source is blocked by a solid object. Find patterns in the way that the size of shadows change	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.		Recognise that light appears to travel in straight lines 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 Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.
Forces and Magnets		Compare how things move on different surfaces - notice that some forces need contact between two objects, but magnetic forces can act at a distance - observe how magnets attract or repel each other and		Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object Identify the effects of air resistance, water resistance and friction,	

	attract some materials		that act between	
	and not others		moving surfaces	
			0	
	Compare and group		Recognise that some	
	together a variety of		mechanisms, including	
	everyday materials on		levers, pulleys and	
	the basis of whether		gears, allow a smaller	
	they are attracted to a		force to have a	
	magnet, and identify		greater effect.	
	some magnetic		9	
	materials			
	marchais			
	Describe magnets as			
	having two poles -			
	predict whether two			
	magnets will attract or			
	repel each other,			
	depending on which			
	poles are facing			
	poles die idcing	Identify common		Associate the
Electricity				
		appliances that run on		brightness of a lamp or
		electricity. Construct a		the volume of a buzzer
		simple series electrical		with the number and
		circuit, identifying and		voltage of cells used in
		naming its basic parts,		the circuit - compare
		including cells, wires,		and give reasons for
		bulbs, switches and		variations in how
		buzzers.		components function,
				including the brightness
		lala a differenda a dia a mandri		of bulbs, the loudness
		Identify whether or not		of buzzers and the
		a lamp will light in a		on/off position of
		simple series circuit,		switches - use
		based on whether or		recognised symbols
		not the lamp is part of		when representing a
		a complete loop with a		
		battery.		simple circuit in a
				diagram.
		Recognise that a		
		switch opens and		
		closes a circuit and		

			associate this with		
			whether or not a lamp		
			lights in a simple series circuit.		
			Circuit.		
			Recognise some		
			common conductors		
			and insulators, and		
			associate metals with		
			being good		
			conductors.		
Earth and				Describe the	
Space				movement of the Earth, and other	
				planets, relative to the	
				Sun in the solar system	
				Sommine soldr 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.	De se sueles de statisticos
Evolution					Recognise that living
and					things have changed over time and that
Inheritance					fossils provide
inneniunce					information about
					living things that
					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.