Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
F 2 Seasonal Changes Autumn Ask questions about the natural world. Awareness of seasonal changs Describe what they see, feel and hear outside	Asking questions about some of the things that they have observed eg plants and animals Sorting similarities and differences Observations about plants and animals through continuous provision Seasonal veg/ leaf art *DEVELOPMENT MATTERS as a guide	Winter Understand the effect of changing seasons on the natural world around them Understanding growth, decay and changes over time	Spring and growth Use the senses to describe what they see, hear and feel outside.	Animals Identifying living things such as animals with legs or those with wings. Handas Surprise Recognising some environments are different to the one in which they live	Mini beasts/ Animals Make observations and draw pictures of animals or plants. Similarities and differences.
ldentify, name and draw the basic senses. Identify and name a variety of comamphibians, reptiles, birds and mare ldentify and name a variety of comberbivores and omnivores. Describe and compare the structure Seasonal Changes (Runs across ever Observe changes across the four seasons) day length varies. Identify and name a variety of gards.	Animals including humans Identify, name and draw the basic parts of the human body and link to senses. Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals, carnivores, herbivores and omnivores. Describe and compare the structure of common animals. Seasonal Changes (Runs across every term) Observe changes across the four seasons. Observe and describe weather associated with the seasons and how		the material from which it is made. yday materials, including wood, c. rties of a variety of everyday ety of everyday materials on the rties. easons. ociated with the seasons and how en and wild plants including	Plants Identify and describe the structure of flowering plants including trees. Identify and name a variety of garden and wild plants including deciduous and evergreen trees. Seasonal Changes Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. Identify and name a variety of garden and wild plants including deciduous and evergreen trees.	Seasonal Changes Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. Identify and name a variety of garden and wild plants including deciduous and evergreen trees.

Y e a r 2	Observe and describe how seeds and bulbs grow into mature plants Living things and their habitats 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 plant, 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		Animals including humans Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for human exercise, eating the right amounts of different types of food and hygiene.		Plants 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.	Uses of everyday materials 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.
Y e a r 3	Plants 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 that water is transported within plants. Explore the part that flowers play in the life cycle.	Animals including Humans 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.	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 attract some materials and not others. 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. Describe magnets as having two poles. Predict whether two magnets will attract or repel each other, depending on which poles are facing.	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 trapped within a rock. Recognise that soils are made from rocks and organic matter.	Light 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.	

\/	Electricity	Animals including Humans	States of Matter	Living things and their habitats	Sound
Υ	Identify common appliances that	Describe the simple functions of	Compare and group materials	Recognise that living things can	Identify how sounds are made,
_	run on electricity.	the basic parts of the digestive	together, according to whether	be grouped in a variety of ways	associating some of them with
е	·	system in humans.	they are solids, liquids and gases.	, ,	something vibrating.
а	Construct a simple series	·	· · · · · · · · · · · · · · · · · · ·	Explore and use classification	
a	electrical circuit, identifying and	Identify the different types of	Observe that some materials	keys to help group, identify and	Recognise that vibrations from
r	naming basic parts including	teeth in humans and their simple	change state when they are	name a variety of living things in	sounds travel through a medium
	cells, wires, bulbs, switches and	functions.	heated or cooled and measure	their local and wider	to the ear.
4	buzzes.		or research the temperature at	environment.	
		Construct and interpret a variety	which this happens in degrees		Find patterns between the pitch
	Identify whether or not a lamp	of food chains, identifying	Celsius.	Recognise that environments	of a sound and features of the
	will light in a simple series	producers, predators and prey.		can change and that this can	object that produced it.
	circuit, based on whether or not		Identify the part played by	sometimes pose dangers to	
	the lamp is part of a complete		evaporation and condensation in	living things.	Recognise that sounds get
	loop with a battery.		the water cycle and associate		fainter as the distance from the
			the rate of evaporation and		sound source increases.
	Recognise that a switch opens		temperature.		
	and closes a circuit and associate				
	this with whether or not a lamp				
	lights in a simple series circuit.				
	lights in a simple series circuit.				
	Recognise some common				
	conductors and insulators, and				
	associate metals with being				
	good conductors.				
	gere commence				
Υ	Living things and their habitats	Earth and Space	Animals including Humans	Properties and changes of	<u>Forces</u>
I		Describe the movement of the	Describe the changes as humans	<u>materials</u>	Explain that unsupported objects fall towards the Earth because of
е	Describe the differences in the	Earth, and other planets, relative	develop to old age.		the force of gravity acting between the Earth and the falling object.
Č	life cycles of a mammal, an	to the Sun in the solar system.		Compare and group together	
а	amphibian, an insect and a bird.	Describe the movement of the		everyday materials on the basis of their properties, including	Identify the effects of air resistance and friction that act between
-		Moon relative to the Earth.		their hardness, solubility,	moving surfaces.
r	Describe the life process of	Woon relative to the Earth.		transparency, conductivity	Recognise that some mechanisms, including levers, pulleys and gears,
_	reproduction in some plants and	Describe the Sun, Earth and		(electrical and thermal) and	allow a smaller force to have a greater effect.
5	animals.	Moon as approximately		response to magnets.	
		spherical bodies.			
				Know that some materials will	
		Use the idea of the Earth's		dissolve in liquid to form a	
		rotation to explain day and night		solution, and describe how to	
		and the apparent movement of		recover a substance from a	
		the sun across the sky.		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 plastics. Demonstrate that dissolving, mixing and changes of state are reversible changes. 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.		
Y e a r 6	Evolution and inheritance Recognise that living things have changed over time and that fossils provide 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.	Living things and their habitats 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.	Animals including humans 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.	Light 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 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.	Electricity Associate the brightness of a lamp or the volume of a buzzer 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.	