



Science Overview Cycle A

	EYFS	KS1	LKS2	UKS2
Term 1	<p>Ourselves/Autumn KEPs</p> <ul style="list-style-type: none"> I can describe one thing that I can see, hear and feel during Autumn. I can say one thing that changes during Autumn. 	<p>Animals, including humans (Body senses) KEPs</p> <ul style="list-style-type: none"> I can name and label the main parts of the human body. I can say which part of the body is associated with each sense. I can explain what a human needs in order to be healthy. 	<p>Forces and Magnets KEPs</p> <ul style="list-style-type: none"> I can explain how magnets work, linking to their different poles. I can identify materials that are magnetic or non-magnetic. I can explain different forces: pushing, pulling, attraction, repulsion and friction. 	<p>Space KEPs</p> <ul style="list-style-type: none"> I can describe the shape and movement of the Earth and other planets in relation to the sun. I can describe the shape and movement of the moon in relation to the Earth. I can explain how the rotation of the Earth 'appears' to make the sun move across the sky.
Term 2	<p>Winter and Christmas KEPs</p> <ul style="list-style-type: none"> I can explain what happens when ice melts and water freezes. I can give one example of how winter differs from Autumn. 		<p>Sound KEPs</p> <ul style="list-style-type: none"> I can explain how sound is made by vibrations. I can explain how volume and pitch of sound are different. I can explain how to use materials to soundproof. 	<p>Materials and their properties KEPs</p> <ul style="list-style-type: none"> I can describe and explain how to dissolve and recover a substance from a solution. I can describe and explain how materials can be separated, eg: sieving, filtering and evaporation. I can explain how new materials can be created by irreversible



				changes eg: burning, acid, rusting
Term 3	Traditional Tales KEPS <ul style="list-style-type: none"> I can use my observations to draw a picture of an animal or plant. 	Everyday materials (Y1) KEPS <ul style="list-style-type: none"> I can identify and name everyday materials, eg: wood, plastic, glass, metal, water & rock. I can describe the properties of everyday materials. I can say what material an object is made from as well as comparing and grouping them. 		Continue with T2 KEPS
Term 4	Superheroes and Spring KEPS <ul style="list-style-type: none"> I can talk about the similarities and differences between a range of materials. I can explain a change during the spring compared to a change during the Winter. 	Living things and their habitats (cold habitats) KEPS <ul style="list-style-type: none"> I can explain what a habitat is, including a micro-habitat. I can explain how animals are suited to a cold habitat. I can explain how animals obtain their food from plants and other animals. 	States of Matter KEPS <ul style="list-style-type: none"> I can compare and groups materials based on whether they are solid, liquid or gas. I can measure the temperature at which materials change state. I can explain evaporation and condensation and link this to temperature. 	Electricity KEPS <ul style="list-style-type: none"> I can explain how the voltage of cells in a circuit affects lamps and buzzers. I can compare and give reasons for variations in how components function. I can use accurate symbols when I draw a simple circuit diagram.
Term 5	Down the bottom of the garden KEPS	Living things and their habitats (hot habitats) KEPS		Animals including Humans (Y6) KEPS



	<ul style="list-style-type: none"> Observational drawings of animals and plants. I can explain that the seasons are a continuous cycle. I can identify the features of all four seasons. I know the life cycle of a caterpillar/butterfly. I can name one thing that a plant needs to grow. 	<ul style="list-style-type: none"> I can explain how animals are suited to a hot habitat. I can identify and name different sources of food. I can compare things that are living, dead and things that have never been alive. 		<ul style="list-style-type: none"> I can name the main parts of the circulatory system. I can describe the functions of the heart, blood vessels and blood. I can explain how water and nutrients are transported around the body <p>Covered in PSHE</p> <ul style="list-style-type: none"> I can explain the impact diet, drugs and lifestyle have on the human body.
Term 6	<p>Animals and their environment KEPs</p> <ul style="list-style-type: none"> I can name three different habitats. I can name one example of how an animal is adapted to their environment. 	<p>Animals, including humans (Y2) KEPs</p> <ul style="list-style-type: none"> I can explain that animals, including humans, have offspring that grow into adults. I can name the basic needs of animals, including humans, for survival. I can explain why exercise, right amounts and types of food and hygiene are important for humans. 	<p>Electricity KEPs</p> <ul style="list-style-type: none"> I can identify common appliances that use electricity. I can create a complete circuit including battery, wires, bulb or buzzer. I can explain how a switch works. 	<p>Living things and their habitats (Y6) KEPs</p> <ul style="list-style-type: none"> I can classify living things into broad groups that can then be subdivided. I can classify groups according to similarities and differences. I can create my own classification system for plants and animals.