



Science Knowledge End Points Cycle A

	EYFS	KS1	LKS2	UKS2
Term 1	Ourselves/Autumn KEPs <ul style="list-style-type: none">I can describe one thing that I can see, hear or feel outside, during the Autumn.I can say one thing that changes during the Autumn.	Animals, including humans (Body senses) KEPs <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.	Forces and Magnets KEPs <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.	Space KEPs <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	Fairy Tales KEPs <ul style="list-style-type: none">I can say one difference between two materials.I can say one thing that is similar between two materials.		Sound KEPs <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.	Materials and their properties KEPs <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	Dinosaurs KEPS <ul style="list-style-type: none">I can use my observations to draw a picture of an animal or a plant.I can explain what happens when ice melts and water freezes.	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.		Animals including Humans (Y6) KEPs <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 Covered in PSHE <ul style="list-style-type: none">I can explain the impact diet, drugs and lifestyle have on the human body.
Term 4	Superheroes/Spring KEPS <ul style="list-style-type: none">I can describe one thing that I can see, hear or feel outside, during the Spring.I can explain a change during the Spring compared to a change during the Autumn.	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.	
Term 5	Animals and their Environments KEPS	Living things and their habitats (hot habitats) KEPs		Electricity KEPs <ul style="list-style-type: none">I can explain how the voltage of cells



	<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.	<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.		<p>in a circuit affect lamps and buzzers.</p> <ul style="list-style-type: none">• 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 6	<p>Down the Bottom of the Garden</p> <p>KEPs</p> <ul style="list-style-type: none">• I know the life cycle of a caterpillar/butterfly.• I can name one thing that a plant needs to grow.	<p>Animals, including humans (Y2)</p> <p>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</p> <p>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)</p> <p>KEPs</p> <ul style="list-style-type: none">• I can classify living things into broad groups.• I can classify groups according to similarities and differences.• I can create my own classification system for plants and animals.