



Science Overview Cycle A				
	EYFS	KS1	LKS2	UKS2
Term 1	Ourselves/Autumn KEPS - I can describe one thing that I can see, hear and feel during Autumn. - I can say one thing that changes during Autumn.	Animals, including humans (Body senses) KEPS - 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 - 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 - 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	Winter and Christmas KEPS - I can explain what happens when ice melts and water freezes. - I can give one example of how winter differs from Autumn.		Sound KEPS - 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 - 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

KEPs = Knowledge End Points – this is the key knowledge children should retain by the end of the unit and can be used as an assessment point.
KEPs link directly to the National Curriculum, Development Matters and Early Learning Goals.



Term 3	Traditional Tales KEPS I can use my observations to draw a picture of an animal or plant.	Everyday materials (Y1) KEPS - 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 - 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 - 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 - 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 - I can explain how the voltage of cells in a circuit affect 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 Observational drawings of animals and plants.	Living things and their habitats (hot habitats) KEPS I can explain how animals are suited to a hot habitat.	Electricity KEPS I can identify common appliances that use electricity.	Animals including Humans (Y6) KEPS I can name the main parts of the circulatory system.



	- 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.	- I can identify and name different sources of food. - I can compare things that are living, dead and things that have never been alive.	- I can create a complete circuit including battery, wires, bulb or buzzer. - I can explain how a switch works.	- 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 - I can explain the impact diet, drugs and lifestyle have on the human body.
Term 6	Animals and their environment KEPs - I can name three different habitats. - I can name one example of how an animal is adapted to their environment.	Animals, including humans (Y2) KEPs - 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.	Light KEPs - I can explain that light is reflected from surfaces. - I can explain that opaque objects create shadows. - I can explain why shadows change in size at different times of the day.	Living things and their habitats (Y6) KEPs - 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.