



Science Overview Cycle B				
	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>Seasons – Autumn KEPs</p> <ul style="list-style-type: none"> I can name the 4 seasons. I can describe the weather conditions in Autumn. I can name signs of Autumn. I can answer an investigation question about the seasons using my own observations. 	<p>Rocks and Soils KEPs</p> <ul style="list-style-type: none"> I can name examples of natural and man-made rocks. I can describe the properties of different rocks and identify simple similarities and differences. I can explain that fossils are things that have once lived trapped within rock and describe the main processes involved in fossilisation. 	<p>Living Things – Life cycles of mammals and plants KEPs</p> <ul style="list-style-type: none"> I can explain how plants can reproduce in different ways – sexual and asexual. I can explain the lifecycles of amphibians, insects, birds and mammals and identify the similarities and differences.
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 	<p>Use of Materials (NC Y2) KEPs</p> <ul style="list-style-type: none"> I can compare the suitability of different everyday materials. I can describe how the shapes of solid objects from some materials can 	<p>Light KEPs</p> <ul style="list-style-type: none"> I can explain that light is reflected from surfaces. I can explain that opaque objects create shadows. 	<p>Living Things – Life cycles of humans KEPs</p> <ul style="list-style-type: none"> I can describe the different stages in human development. I can describe the different stages of

1.



	winter differs from Autumn.	be changed by squashing, bending, twisting and stretching.	<ul style="list-style-type: none"> I can explain why shadows change in size at different times of the day. 	<p>development in animals.</p> <ul style="list-style-type: none"> I can explain the differences in stages of development between females and males.
Term 3	<p>Traditional Tales</p> <p>KEPs</p> <ul style="list-style-type: none"> I can use my observations to draw a picture of an animal or plant. 	<p>Seasons – Winter (1 lesson)</p> <p>Animals, including humans (NC Y1)</p> <p>KEPs</p> <ul style="list-style-type: none"> I can identify and name some common animals and say whether they are herbivores, carnivores or omnivores. I can compare the similarities and differences between animals. I can name and label the main parts of a human body. 	<p>Nutrition and the Skeleton</p> <p>KEPs</p> <ul style="list-style-type: none"> I know that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food. I can identify that humans and some other animals have skeletons and muscles for support, protection and movement. 	<p>Living Things – Evolution and Inheritance</p> <p>KEPs</p> <ul style="list-style-type: none"> I can explain why animals, humans and plants need to adapt, which can lead to them evolving. I can explain how fossils provide information about living things from millions of years ago. I can describe the characteristics and features humans and animals may inherit from their parents.
Term 4	<p>Superheroes and Spring</p> <p>KEPs</p>	<p>Seasons – Spring (1 lesson)</p> <p>Animals including Humans</p>	<p>Teeth and Digestion</p> <p>KEPs</p>	<p>SATs Focus</p>

1.



	<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. 	<p>(NC Y2)</p> <p>KEPs</p> <ul style="list-style-type: none"> I can describe the lifecycle of a human and a frog. I can explain what animals and humans need in order to survive. I can explain what a human needs in order to be healthy. 	<ul style="list-style-type: none"> I can identify and explain the main parts of the digestive system. I can identify the types and functions of teeth. I can explain the importance of oral hygiene. 	
Term 5	<p>Down the bottom of the garden</p> <p>KEPs</p> <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. 	<p>Plants</p> <p>KEPs</p> <ul style="list-style-type: none"> I can explain the difference between deciduous and ever-green trees. I can name the plant structure using the words seed, leaves, flowers, petals, roots and stem. I know that plants need water, light and a suitable 	<p>Plants</p> <p>KEPs</p> <ul style="list-style-type: none"> I can name and explain the functions of roots, stem/trunk, flowers and leaves in a plant I can explain how water is transported within plants. I can explain the process of pollination and seed dispersal. 	<p>Light</p> <p>KEPs</p> <ul style="list-style-type: none"> I know that light travels in straight lines. I can explain how objects give out or reflect light which in turn enables us to see things. I can explain why shadows have the same shape as the objects that cast them.

1.



	<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. 	temperature to grow healthily.		
Term 6	<p>Animals and their environment</p> <p>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>Seasons – Summer</p> <p>KEPs</p> <ul style="list-style-type: none"> I can say what I have observed about temperature across the seasons using simple equipment. I can describe the weather in the different seasons. I can describe how the day length changes in the different seasons. <p><i>NB These KEPs encompass the knowledge the children will have learnt about seasons across the year.</i></p>	<p>Living Things and their Habitats</p> <p>KEPs</p> <ul style="list-style-type: none"> I can use a classification system to group living things (plants & animals). I know the role of different plants and animals within food chains. I can recognise and explain the human impact on habitats and environments. 	<p>Forces</p> <p>KEPs</p> <ul style="list-style-type: none"> I know that there are different types of forces: gravity, air-resistance, friction and water resistance. I know that forces can be changed through the use of levers, pulleys and gears.

1.