



Science KEPs Cycle B				
	EYFS	KS1	LKS2	UKS2
Term 1	What happens during 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. Lifecycles KEPs - I know the lifecycle of a hen. - I can talk about how a chick changes as it grows.	Seasons – Autumn KEPs - 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.	Rocks and Soils KEPs - 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.	Living Things – Life cycles of mammals and plants KEPs - 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	What is a habitat? KEPs - I can talk about a town and the Antarctic. - I can name some animals that live in the Antarctic.	Use of Materials (NC Y2) KEPs - I can compare the suitability of different everyday materials. - I can describe how the shapes of solid objects from some materials can be changed by squashing,		Living Things – Life cycles of humans KEPs - I can describe the different stages in human development. - I can describe the different stages of development in animals.



	What happens during winter? KEPS - I can tell you about the weather in winter. - I can give one example of how winter differs from autumn. Changing State KEPS - I can explain what happens when ice melts and water freezes.	bending, twisting and stretching.		I can explain the differences in stages of development between females and males.
Term 3		Seasons – Winter (1 lesson) Animals, including humans (NC Y1) KEPs - 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.	Nutrition and the Skeleton KEPs - 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.	Living Things – Evolution and Inheritance KEPs - 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	What happens during spring? KEPs - I can explain a change during spring compared to a change during the Winter. Changing State KEPs - I can talk about what happens when chocolate melts.	Seasons – Spring (1 lesson) Animals including Humans (NC Y2) KEPs - 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.	Teeth and Digestion KEPs - 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	What do plants need? KEPs - I can make observations of plants. - I can name one thing that a plant needs to grow. - I can talk about the lifecycle of a bean. Lifecycles KEPs - I know the lifecycle of a butterfly.	Plants KEPs - 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 temperature to grow healthily.	Plants KEPs - 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.	Light KEPs - 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.



	I can talk about how a caterpillar changes as it grows.			
Term 6	What is a habitat? KEPS - I can compare the beach and a forest. - I can name animals that are found in different habitats. What happens during summer? KEPS - I can tell you about the weather in summer. - I can talk about changes during the four seasons.	Seasons – Summer KEPS - 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. <i>NB These KEPS encompass the knowledge the children will have learnt about seasons across the year.</i>	Living Things and their Habitats KEPS - 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.	Forces KEPS - 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.