Science at The Mead Primary School

Year group	T1	T2	T3	T4	T5	T6
Nursery	Notice different types of weather across the year – How different weather feel? What do we wear in different weather? Know the difference between day and night – What happens at night? What happens during the day? Begin to show care for living things					
	Can communicate what they see in the classroom and outside e.g. puddles and sunshine Begin to show an interest and curiosity in living things and animals. Begins to understand how to keep warm in cold weather/cool in hot weather.		Talk about their family. Knows that some things are alive Talk about different types of weather and how it feels etc. To begin to show care for living things.		Able to talk about what is similar and different. Describe what they can see. Talk about things that have happened in their own lives and of their families. Be able to identify one thing that a plant needs to grow. Able to recognise a baby and adult animal e.g. a calf and a cow/tadpole and a frog. Begin to understand the need to respect and care for the natural environment and all living things.	
YR	Observe weather different patterns across the year Begin to explore light and shadows. Understand that the sun is a light source Show care and respect for living things and the environment					
	Identify and describe properties of materials Observe and describe changes in state (melting and freezing)		Observe how plants grow Identify the main parts of a plant and describe plants using key vocabulary		Recognise and name a range of animals. Sort and group animals according to key features including insects Identify animals who live in different habitats/climates	

				Identify and name body parts and the functions they have	
Y1	Observe seasonal change. Name the seasons and identify typical seasonal weather. Notice changes in length of day/night across the year Observe changes in plants with a focus on trees. Identify deciduous and evergreen trees and how they change across the year				
	Link senses to different parts of the body, identifying when and how you could use them Begin to identify and name mammals, identifying whether they are carnivores, omnivores or herbivores		Identify and name common birds, reptiles and insects Distinguish objects from the materials they are made from Compare materials and group them together in different ways	Identify and name common wild plants / garden plants / deciduous and evergreen trees Grow plants from seeds, identify and describe plant structure.	Identify and name common fish, and amphibians Identify carnivores, herbivores and omnivores
Y2	**Animals including humans** *Life cycles, survival and hygiene*		**Living things and their habitat** *Plant and animal habitats and simple food chains*		**Plants** *How do seeds and bulbs grow into plants?* **Use of everyday materials** *Suitability of materials, squashing, bending, twisting and stretching*
Y3	**Animals including humans** *Nutrition, human skeletons and muscles*	**Light** *Sources of light, reflectors and shadows*	**Rocks** *Soils, fossils and properties of rocks*	**Plants** *Parts of a flowering plant, life cycle of a flowering plant and water transportation*	**Forces and magnets** *Poles of magnet, magnetic and non-magnetic materials, predicting and classifying*
Y4	**Sound** *Sound waves, pitch, volume and how sound travels*	**Animals including humans** *The parts of the digestive system, teeth and constructing and*	**States of matter** *Solids, liquids and gases, changing state and the water cycle*	**Living things and their habitats** *Classification*	**Electricity** *Simple circuits, conductors and insulators*

		interpreting food chains.		*Food chains from animals including humans*		
Y5	**Space** *The solar system, orbits, the moon and its cycles*	**Forces and mechanisms** *Gravity, air resistance, levers and pulleys*	**Animals including humans** *Gestation, life cycles (including metamorphosis)* *Human reproduction and aging*	**Living things and their habitats** *Food webs and classification*	**Properties and changes of materials** *Dissolving, sieving, filtering and evaporating* *Line graphs and comparative testing*	
Y6	**Electricity** *Electrical circuits and components, circuit diagrams and using cells*	**Living things and their habitats** *Classification and food webs*	**Animals including humans** *The human heart, the circulatory system and lifestyle*		**Light** *How does light travel?* *How do we see light?*	**Evolution and inheritance** *Adaptation and evolution*