




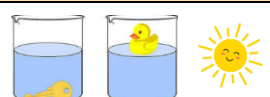



















Curriculum Overview: Science









Reception					
					
ELG: The Natural World	ELG: The Natural World	ELG: The Natural World	ELG: The Natural World	ELG: The Natural World	ELG: The Natural World
<ul style="list-style-type: none"> -know the names for parts of my body -know the life cycle of a human -Know that food comes from seed (Harvest seeds for our garden) -Know that Autumn is a Season - Observe changes in the environment as we head into Autumn. 	<ul style="list-style-type: none"> -Know that Winter is a season. -Observe changes in the environment as we head into Winter. -Explore freezing and melting. -Exploring Hibernation and hedgehog habitats. 	<ul style="list-style-type: none"> -Know that Palaeontology is the study of fossils -Know how to use non-fiction books to learn about dinosaurs -Know some animals which lay eggs -Know that in Winter the days are shorter -Make observations of light and shadow by 	<ul style="list-style-type: none"> -Know that Spring is a Season -Make observations of the signs of Spring. - Know how to use information books to learn about inside the human body -Know that humans have a skeleton 	<ul style="list-style-type: none"> -Categorise and compare minibeasts -Know about the life cycle of a frog and a butterfly as well as other mini-beasts -Know the life cycle of a plant/seed -Know how to grow and care for plants -Make observations on the structure of plants (seed, root, shoots, stem, flower, leaves) 	<ul style="list-style-type: none"> - Know that some objects float and some sink -Know how to make predictions -Know that Summer is a Season Make observations about the signs of Summer -Know that some objects are man-made and some are natural
 Autumn nature walks around school Making bird feeders for our garden	 Freezing and melting outside	 Winter nature walks around school. Reptile Handler visit.	 Spring nature walk around school. Growing in our garden	 Visit to Gilbert White Garden Hunting for minibeasts in our garden	 Visit to Space to Grow Nurturing our garden and harvesting food Building boats outside

Curriculum Overview: Science

Year 1

					
Biology	Biology	Chemistry	Chemistry	Biology	Biology
Animals including humans	Animals including humans	Materials	Materials	Plants	Plants
Seasons - Autumn		Seasons - Winter	Seasons - Spring		Seasons - Summer
<ul style="list-style-type: none"> Identify, name, draw and label body parts of the human body Associate different parts of the body to different senses Identify differences and similarities within the four seasons. 	<ul style="list-style-type: none"> Identify and name animals in our environment. Name the different body parts of different animals. Compare animal groups. Begin to understand the difference between the animals in different groups. Learn which animals are carnivores, herbivores and omnivores. 	<ul style="list-style-type: none"> Observed signs of Winter. Measure and record Winter weather Use results to answer questions about the weather. Introduce differences between materials and objects. 	<ul style="list-style-type: none"> Identify materials that different objects are made from. Name a range of different materials. Group a range of different materials based on their properties. Name the properties of different materials. Explain why materials were chosen to make objects. 	<ul style="list-style-type: none"> To name basic parts of a plant and know what they do. To observe a bean growing. To identify plants and trees in the school grounds. To know the difference between deciduous and evergreen trees. 	<ul style="list-style-type: none"> Leaf investigation – learning key features of different types of trees and flowers.
	 <p>Farm Visit Exploring living things within the school grounds.</p>	 <p>Winter Walk Test Winter Weather</p>	 <p>Materials hunt around the school. Identify signs of Spring</p>	 <p>Trip to Alice Holt. Exploration of trees and plants in the school grounds.</p>	 <p>Identify signs of Summer and observe seasonal weather changes.</p>

Curriculum Overview: Science

Year 2					
					
Biology	Biology	Chemistry	Biology	Biology	Biology
Animals including humans	Living things and their habitats	Materials and their uses	Animals including humans	Plants	Plants
<ul style="list-style-type: none"> Compare the life cycles of different animals Stages of a human life cycle The basic survival needs of humans Importance of exercise, diet and hygiene 	<ul style="list-style-type: none"> Compare the differences between things that are living, dead or have never been alive. Exploring habits of plants and animals 	<ul style="list-style-type: none"> Identify a range of materials and their uses Understand what a natural material is and what it can be used for Compare the suitability of a variety of everyday materials Find out how the shapes of objects made from some materials can be changed by squashing, bending, twisting and stretching Explore which materials can be recycled and what they are used as 	<ul style="list-style-type: none"> Identify, know and understand what an invertebrate is Explore different microhabitats and create a suitable one for a minibeast (wormery) Explore why minibeasts and their microhabitats are important. Observe changes to a habitat (wormery) over time 	<ul style="list-style-type: none"> Explore different plants and trees in the school environment Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. Investigate different plants and their seeds and the conditions they need to grow 	<ul style="list-style-type: none"> Know and understand the lifecycle of a plant Explore why minibeasts and their microhabitats are important. Name and identify different plants and whether they are edible Understand the role bees play in helping plants and our environment Compare the different features of plants and how they are suited to their environment
			 Wormery	 Hillier Gardens Planting own seeds	