

	Autumn Term	Spring Term	Summer Term
Science UNDERSTANDING THE WORLD	<p style="text-align: center;"><u>Across the Academic year</u></p> <p>The main focus for Reception children is to explore their outdoor environment and understand the natural features of the changes each season brings. Draw the children's attention to the weather and seasonal features. Provide opportunities for children to note and record the weather. Select texts to share with the children about the changing seasons. Throughout the year, take children outside to observe the natural world and encourage children to observe how animals behave differently as the seasons change -Hibernation/nocturnal animals. Look for children incorporating their understanding of the seasons and weather in their play. Encourage focused observation of the natural world. Listen to children describing and commenting on things they have seen whilst outside, including plants and animals. Encourage positive interaction with the outside world, offering children a chance to take supported risks, appropriate to themselves and the environment within which they are in.</p> <p>Name and describe some plants and animals' children are likely to see, encouraging children to recognise familiar plants and animals whilst outside</p> <p>Provide children with have frequent opportunities for outdoor play and exploration. Encourage interactions with the outdoors to foster curiosity and give children freedom to touch, smell and hear the natural world around them during hands-on experiences. Create opportunities to discuss how we care for the natural world around us.</p> <p style="text-align: center;">Weather – Daily Weather song, daily weather chart (look at patterns of weather) – Name the four seasons – What's happening outdoors</p>		
	<p style="text-align: center;"><u>Effects of Seasonal changes outdoors</u></p> <p><u>The Human body</u></p> <ul style="list-style-type: none"> Children to recognise and name the different parts of their bodies – Head, legs, shoulders, etc, plus the joints – ankles, wrists, elbows and learn why we have them and how they help us move. Children will learn how we look after our bodies – healthy eating, brushing teeth, keeping clean, sleeping habits, etc Explore the natural world around them. <p><u>Exploring different materials</u></p> <ul style="list-style-type: none"> Children will learn to identify and name the properties of different materials (wood, paper, metal, plastic, glass, rock). Classify Experiment with different materials_–exploring with reclaimed, outdoor, and everyday materials. Describe the simple physical properties of a variety of materials (hard, soft, smooth, rough). Observe and interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object and a boat floating on water. Recognise and talk about changes to materials (e.g. ice to water, puddles evaporating). Compare, sort and classify materials by properties. <ul style="list-style-type: none"> To know the properties between different materials. To be able to classify materials by their properties. Introduce vocabulary to enable the children to describe the properties of the different materials, rough, smooth, hard, soft, etc 	<p style="text-align: center;"><u>Effects of Seasonal changes outdoors</u></p> <p><u>Growing plants</u></p> <ul style="list-style-type: none"> Children to have first-hand experience of planting a seed and watch the changes that occur, as the seed becomes a plant over a period. Record in pictorial form. Identify parts of a plant (leaf, stem, root) Identify what living things need to grow healthily (water, air, light) Identify and name a variety of plants, flowers and trees in their environment. What is an orchard and what grows in one? What fruit grows in our orchard? Explore the natural world around them. Describe what they see, hear, and feel whilst outside. <p><u>Continue with growing work for the rest of the term</u>– focus on outdoors.</p>	<p style="text-align: center;"><u>Effects of Seasonal changes outdoors</u></p> <p><u>Life Cycles – Chicks</u></p> <p>Children to have first-hand experience of caring for and observing the growth of a live chick from the incubated egg. Children will use their senses to describe the changes they see and ask questions about is happening. The children will record in pictorial form.</p> <ul style="list-style-type: none"> Talk about plants, animals, and other living things. Understands some important processes: Life cycles of Chicks - describe the changes, ask questions about the changes they see and record in pictorial form. <p><u>Animals and their features</u></p> <ul style="list-style-type: none"> To compare, name, describe the physical features of animals, how they move and their habitats. The children will learn how to classify the animals into groups, mammals, birds, reptiles, and fish. Introduce the terms of carnivores, herbivores, and omnivores. Draw pictures of the natural world – animals. Explore the natural world around them. <p><u>Visit from the Zoo Lab</u></p> <ul style="list-style-type: none"> Observe the animals and talk about their habitats, food, physical features <ul style="list-style-type: none"> Ask questions about the animal care given. Sort and classify the animals they observed and handled, using pictures and simple charts. Observe, name and handle exotic creatures.