

Science

EYFS 3-4 Year olds (Nursery)	<p>Plant seeds and care for growing plants, Understand the key feature of a life cycle of a plant (and animal), Begin to understand the need to respect and care for the natural environment and all living things.</p> <p>Use all of their senses in hands-on exploration of natural materials, explore collections of materials with similar and/ or different properties, talk about what they see using a wide vocabulary</p> <p>Explore how things work, Explore and talk about different forces that they can feel, talk about the differences between materials and changes they notice</p>
Children in Reception (EYFS curriculum)	<p>Explore the natural world around them,</p> <p>Describe what they see, hear and feel whilst outside</p> <p>Understand the effect of changing seasons on the natural world around them</p>
National Curriculum	<p>During Years 1 and 2 pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul style="list-style-type: none"> • Asking simple questions and recognising that they can be answered in different ways • Observing closely, using simple equipment • Performing simple tests • Identifying and classifying • Using their observations to suggest answers to questions • Gathering and recording data to help in answering questions <p>This is known as Working Scientifically (WS)</p> <p>Green = EYFS/ National Curriculum, Purple = key knowledge, Red = working scientifically,</p>

			Y1 and 2 please refer to the notes and guidance in the NC programme of study for further planning support.	
Programme of study	Nursery	Reception	Year 1	Year 2
National Curriculum Animals including Humans	<p>Understand the key feature of a life cycle of an animal</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p>	Explore the natural world around them	<p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name common animals that are carnivores, herbivores and omnivores.</p> <p>Describe and compare the structure of common animals (fish, amphibians, reptiles, birds and mammals, including pets).</p> <p>Identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.</p>	<p>Notice that animals, including humans, have offspring which grow into adults.</p> <p>Find out the basic needs of animals, including humans, for survival (water, food, air).</p> <p>Describe the importance of exercise, eating the right amounts of different types of food and hygiene.</p>
Animals including humans Key Knowledge	To know we are kind to the animals in our environment (including insects) and should not harm them.	To be able to compare and classify animals in a simple way (e.g. animals that live on land, animals that live in water/ animals with feather, fur, scales etc)	To know the names of and be able to identify parts of the human body on a diagram. <i>(including but not limited to head, neck, arms,</i>	To know the life stages of a human (baby, toddler, child, teenager, adult, older adult) & other animal (spawn, tadpole, frog)

	<p>To know the lifecycle of a butterfly</p>	<p>To be able to identify and describe simple characteristics of familiar animals</p> <p>To know the names of and be able to point to face, head, arms and legs on their own body</p>	<p><i>elbows ,legs, knees, face, ears, hair, mouth and teeth)</i></p> <p>To draw and label parts of the human body</p> <p>To explain which part of the body is linked to each sense</p> <p>To name & identify from images a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>To know how to classify and identify animals into the categories of fish, amphibians, reptiles, birds and mammals by working scientifically.</p> <p>To know how to observe closely to identify key features of animals using first-hand experience.</p> <p>WS – Identifying and classifying, Observing closely using simple equipment (first-hand experience/ photos and videos)</p>	<p>To know that animals & humans need water, food and air to survive</p> <p>To know that humans need exercise and why we need to keep our body, hands and teeth clean</p> <p>To know the elements of a balanced diet (fruit & vegetables, carbohydrates, dairy and milks, proteins, and fats) and be able to give examples of each</p> <p>WS- Observing closely using simple equipment (first-hand experience/ photos and videos) Using observations and ideas to offer answers to questions</p>
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