



Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Cycle A 2022/2023</p>	<p>Animals, including humans Know how important it is to keep our bodies healthy</p>	<p>Materials and their everyday properties Know about the properties and uses of different materials</p>		<p>Plants - Know the names of the different parts of plants and name common plants in the locality</p>	<p>Materials and their everyday uses- Know about and name everyday materials</p>	<p>Animals and their habitats – classification Know how animals are classified</p>
	<p>Scientific Knowledge Know the basic stages in a life cycle for animals, (including humans) Know why exercise, a balanced diet and good hygiene are important for humans</p> <p>Working Scientifically Research Research different food groups and design a balanced menu</p> <p>Grouping and Classifying</p>	<p>Scientific Knowledge Know how materials can be changed by squashing, bending, twisting and stretching Know why a material might or might not be used for a specific job</p> <p>Working Scientifically Fair testing Compare materials to see which is the most waterproof</p>		<p>Scientific Knowledge Know the names of the different parts of plants and name common plants in the locality</p> <p>Working Scientifically Observations over time Changes to plants/ trees as they grow or in different seasons</p> <p>Grouping and Classifying Identify local trees and plants</p>	<p>Scientific Knowledge Know the name of the materials an object is made from Know about the properties of everyday materials</p> <p>Working Scientifically Comparative and Fair tests Compare the suitability of everyday materials for a specific job, e.g., building a bridge</p>	<p>Scientific Knowledge Know how to classify a range of animals by amphibian, reptile, mammal, fish and birds Know and classify animals by what they eat (carnivore, herbivore and omnivore) Know how to sort by living and non living things</p> <p>Working Scientifically Research using secondary sources</p>



		Grouping and Classifying Group different materials based on their properties			Grouping and Classifying Identify different materials based on their properties	Research animals that live in a particular habitat Grouping and Classifying Group/ classify animals according to what they eat
Cycle B 2023/2024	Know about the characteristics of each of our seasons	Know the name of seen parts of the human body and know about the five senses	Know why we have light and dark and its impact on our everyday life	Plants and Animals- Know what plants need to grow healthily	Plants and Animals - Know that animals have preference about the habitats they live in	
	Scientific Knowledge Know the name of the seasons Know about the weather associated with each season Know the months within each season Working Scientifically Observation over time Changes in temperature throughout the year	Scientific Knowledge Know the name of parts of the human body that can be seen Know about the five senses. Working Scientifically Pattern seeking Height and weight changes as we get older	Scientific Knowledge Know that dark is the absence of light Know that light is needed in order to see and is reflected from a surface Know and demonstrate how a shadow is formed and explain how a shadow changes shape	Scientific Knowledge Classify things by living, dead or never lived Know how a specific habitat provides for the basic needs of things living there (plants and animals) Match living things to their habitat Name some different sources of food for animals	Scientific Knowledge Know and explain how seeds and bulbs grow into plants Know what plants need in order to grow and stay healthy (water, light & suitable temperature) Working Scientifically Experiment with growth in different situations.	



	<p>Changes in rainfall throughout the year Pattern seeking</p> <p>Length of daylight throughout the year</p> <p>Leaf colour and fall and different stages</p>		<p>Know about the danger of direct sunlight and describe how to keep protected</p> <p>Working Scientifically</p> <p>Fair testing</p> <p>Compare materials based on reflectiveness Observation over time</p> <p>Shadow length throughout the day Grouping and Classifying</p> <p>Group materials based on their opacity and transparency</p> <p>Pattern Seeking</p> <p>Object size compared to shadow</p>	<p>Know about and explain a simple food chain</p> <p>Working Scientifically Fair testing</p> <p>Investigate which conditions plants need to grow Observation over time</p> <p>Change in plant growth over time Grouping and Classifying</p> <p>Identify parts of a plant</p>		
Cycle C 2024/2025	Rocks and Soil - Know that the Earth is made up of			Forces pulleys and friction- Know what we mean by a ‘force	Forces - Magnets and Friction - Know	Plants - Understand what a plant needs to flourish and find



	different types of rocks				what we mean by a ‘force	out about its life cycle
	<p>Scientific Knowledge</p> <p>Compare and group rocks based on their appearance and physical properties, giving reasons</p> <p>Know how soil is made and how fossils are formed</p> <p>Know about and explain the difference between sedimentary, metamorphic and igneous rock</p> <p>Working Scientifically</p> <p>Research</p> <p>Research how fossils and different types of rocks are formed</p> <p>Grouping and Classifying</p> <p>Identify different rocks and the group they belong to</p>			<p>Scientific Knowledge</p> <p>Know about and describe how objects move on different surfaces</p> <p>Know how a simple pulley works and use to on to lift an object</p> <p>Know how some forces require contact and some do not, giving examples</p> <p>Working Scientifically</p> <p>Fair testing</p> <p>Compare materials based on the amount of friction they generate</p>	<p>Scientific Knowledge</p> <p>Know about and explain how magnets attract and repel Predict whether magnets will attract or repel and give a reason</p> <p>Working Scientifically</p> <p>Fair testing</p> <p>Compare materials based on the amount of friction they generate</p> <p>Grouping and Classifying</p> <p>Group magnetic and non-magnetic materials</p>	<p>Scientific Knowledge</p> <p>Know the function of different parts of flowing plants and trees</p> <p>Know what pollination is</p> <p>Know about seed dispersal</p> <p>Working Scientifically</p> <p>Observation over time</p> <p>Observe how water travels up the stem</p> <p>Research</p> <p>Research different types of seed dispersal</p>