



KS1: ODD					
Autumn		Spring		Summer	
Everyday Materials (Year 1) N.C. Y1 PoS	Investigating Materials (Year 2) N.C. Y2 PoS	Identifying animals N.C. Y2 PoS	Living Things & their Habitats N.C. Y2 PoS	Identifying Plants (Year 1) N.C. Y1 PoS	Growing Plants (Year 2) N.C. Y2 PoS
Key Vocabulary Materials, properties, purpose, hard, soft, waterproof, insulate, protect, bendy, smooth, rough, common, distinguish, variety, sort, group, describe, twist, stretch, bend, squash, improve, man-made, natural		Key Vocabulary Bird, reptile, amphibian, carnivore, omnivore, herbivore, Venn diagram, compare, sort, common, life cycle, eggs, mammal	Key Vocabulary Processes, alive, dead, never alive, habitat, seaside, sort, micro-habitat, food chain, organisms, mini-beast, dependent	Key Vocabulary Garden plant, wild plants, evergreen, deciduous, growing, trees, sort, stem, flower, leaf, roots, bulbs	Key Vocabulary Food, sunlight, roots, bulbs, seeds, germination, dispersed, changes, matures, fruits, flowers, growth, shoots, stems, leaves,
Scientific Concepts		Scientific Concepts		Scientific Concepts	
Systems Energy Interactions Life Cycles		Systems Energy Interactions Life Cycles		Systems Energy Interactions Life Cycles	

Scientific Knowledge to be covered throughout the year				
Term	Disciplinary Knowledge	Biology	Chemistry	Physics
Autumn 1: Everyday Materials	Comparative and fair testing <ul style="list-style-type: none"> Y1: Know that predictions can be made. Y1: Know that simple tests can be carried out with support. Y2: Know that explanations can be made based on what has happened during an investigation. 		<ul style="list-style-type: none"> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday materials on the basis of their simple physical properties. 	
Autumn 2: Investigating Materials				



	<ul style="list-style-type: none"> • Y2: Know that simple tests can be carried out independently. <p><u>Identifying and classifying</u></p> <ul style="list-style-type: none"> • Y1: Know that living and non-living things can be classified and compared. • Y2: Know that living and non-living things can be classified and compared through methods of sorting and grouping. 		<ul style="list-style-type: none"> • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. • Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard for particular uses. 	
<p>Spring 1: Identifying animals</p>	<p><u>Gathering and recording</u></p> <ul style="list-style-type: none"> • Y1: Know that patterns can be identified within scientific phenomena. • Y2: Know that relationships can be identified within scientific phenomena. 			<ul style="list-style-type: none"> • Notice that animals, including humans, have offspring which grow into adults. • Investigate and describe the basic needs of animals, including humans, for survival (water, food and air). • Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene. • <i>Identify how humans resemble their parents in many features.</i>
<p>Spring 2: Living things and their habitats</p>				<ul style="list-style-type: none"> • Explore and compare the differences between things that are living, that are dead and that have never been alive. • Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants and how they depend on each other.



				<ul style="list-style-type: none">• Identify and name a variety of plants and animals in their habitats, including microhabitats.• Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
Summer 1: Growing Plants		<ul style="list-style-type: none">• Identify and name a variety of common plants, including garden plants, wild plants and trees and those classified as deciduous and evergreen.• Identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers.		
Summer 2: Plants		<ul style="list-style-type: none">• Observe and describe how seeds and bulbs grow into mature plants.• Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.		