



Nursery

<p>Talk about what they can see Use all their senses in hands on exploration of natural materials</p> <p>Understand the respect/care for natural environment</p> <p>Under the Sea</p> <ul style="list-style-type: none">- Discuss sea creatures- explore the garden and mud kitchen- Discuss how to care for our world	<p>Use all their senses in hands on exploration of natural materials</p> <p>Talk about what they can see</p> <p>Talk about differences between materials/changes</p> <p>Explore collections of materials with similar/ different properties</p> <p>Autumn</p> <ul style="list-style-type: none">- Know that ice is water that is frozen- Explore how the setting has changed during the term	<p>Explore collections of materials with similar/ different properties</p> <p>Explore how things work</p> <p>Space</p> <ul style="list-style-type: none">-Explore magnets	<p>Explore collections of materials with similar/ different properties</p> <p>Understand the respect/care for natural environment</p> <p>Traditional Tales</p> <ul style="list-style-type: none">- Model using different materials- Grow beans	<p>Understand key features of life cycle - plant/animal</p> <p>Understand the respect/care for natural environment</p> <p>Understand key features of life cycle - plant/animals</p> <p>Minibeasts</p> <ul style="list-style-type: none">- Observe minibeasts- The very hungry caterpillar- Observe caterpillars develop into butterflies	
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Foundation

<p>Similarities and differences between the natural world and contrasting environments.</p> <p>Under the Sea</p> <ul style="list-style-type: none">- Describe how under the sea is different to ‘on land’	<p>Explore the natural world around them</p> <p>Describe what they hear, see and feel whilst outside</p> <p>Understand the effect of changing seasons in the natural world around them</p> <p>Autumn</p> <ul style="list-style-type: none">- Discuss features of autumn (WALK) <p>Winter</p> <ul style="list-style-type: none">- Discuss features of winter	<p>Similarities and differences between the natural world and contrasting environments</p> <p>Space</p> <ul style="list-style-type: none">- How is space different to Earth?	<p>Make observations. Drawings pictures of animals and plants</p> <p>Explore the natural world around them</p> <p>Describe what they hear, see and feel whilst outside</p> <p>Similarities and differences between the natural world and contrasting environments</p> <p>Growing</p> <ul style="list-style-type: none">- observe, draw and grow cress and sunflowers <p>Science Week</p>	<p>Similarities and differences between the natural world and contrasting environments</p> <p>Around the World</p> <ul style="list-style-type: none">- Describe other countries as ‘hot’ and ‘cold’	<p>Make observations. Drawings pictures of animals and plants</p> <p>Similarities and differences between the natural world and contrasting environments</p> <p>Habitats</p> <ul style="list-style-type: none">- create drawings and diagrams of observations- compare habitats
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Year 1

<p>Superheroes - Human Biology</p> <p>Know different parts of the body Head, shoulders, knees, toes, neck, fingers, thumbs, arm, leg, elbow, face, eye, hair, mouth, teeth, ear, nose</p> <p>Know what parts of the body are for</p> <p>Relate hearing to ears</p> <p>Relate touch to skin</p> <p>Relate seeing to eyes</p> <p>Recognise the senses of taste and smell</p> <p>Features and changes between the four seasons – weather, leaves, trees, light, animal presence and activity – hibernation, nesting, migration</p> <p>Day length</p> <p>Autumn – Aut 1</p>	<p>Dinosaurs - Chemistry</p> <p>Identify and describe materials: fabric, wood, plastic, glass, metal, water, rock, brick, paper, elastic, foil, hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not; absorbent/not; opaque/transparent</p> <p>What materials are things made of? Why are different materials used for different purposes?</p> <p>Strength, protectiveness and waterproofing of materials</p> <p>Evaluation of materials- what is the best material for?</p> <p>Can we protect a falling object?</p> <p>Can we prevent an object getting wet?</p>	<p>Space – Physics (Space)</p> <p>SUN DANGER</p> <p>We live on Earth</p> <p>The solar system – planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune</p> <p>Sun and moon – know that Earth orbits the sun and the moon orbits the Earth</p> <p>How day and night happen – the earth spins on its axis.</p> <p>Weather and day length</p> <p>Winter - Spr 1</p> <p>Observe movement of sun, Earth and moon (orrey)</p>	<p>Around the World – Animal Biology</p> <p>Identify and name mammals (big 5, fox, badger, otter, rat), fish (roach, pike, perch) birds (crow, magpie, wood pigeon) and pets (hamster, cat, dog, rabbit)</p> <p>Identify and name herbivores, carnivores and omnivores</p> <p>Identify amphibians (newt, frog), reptiles and invertebrates</p> <p>Know the structure of common animals</p> <p>Ocean animals (Su 2, in Water, Water)</p>	<p>Gardener’s World – Plant Biology</p> <p>Know the structure of plants (stem, petal, leaf, flower, roots, seed, bulb)</p> <p>Observe plants</p> <p>Name common plants (daisy, dandelion, nettle, dock) and trees (oak, willow, pine)</p> <p>Know the structure of trees (leaf, blossom, fruit, roots, trunk, branches) and seasonal changes</p> <p>Use magnifying glasses to observe</p> <p>Spring – Summer 1</p> <p>Observe plant growth</p> <p>STATISTICS: Draw and interpret 1:1 pictogram</p>	<p>Water - Physics (Forces)</p> <p>How can you make something move?</p> <p>Explain a movement</p> <p>Push, pull, twist, squeeze</p> <p>What stops a movement</p> <p>Explore how to make something move faster or further</p> <p>Summer – Summer 2</p> <p>What happens when you push, pull, turn and squeeze?</p>
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Year 2

<p>Great to be Me - Biology (Human and Animal)</p> <p>What humans need to survive</p> <p>What animals need to survive food, water, air</p> <p>Animal babies and growth lamb / sheep; owl, panda, penguin</p> <p>Human babies and growth</p>	<p>The Great Fire of London – Chemistry</p> <p>Group and compare materials</p> <p>Explore and discuss the suitability of materials for different uses wood, metal, plastic, glass, brick, rock, paper and cardboard</p> <p>Water, Ice and Steam</p> <p>How can I make ice melt faster?</p> <p>Properties of materials</p> <p>John Dunlop</p> <p>What affects the rate at which an ice lolly melts?</p>	<p>India – Human Biology.</p> <p>Name food groups</p> <p>Describe a healthy diet</p> <p>Hygiene</p> <p>Exercise</p> <p>The effect of exercise on the body</p> <p>Life processes of living things eat, breathe, move</p> <p>STATISTICS: Draw and interpret pictograms in 2s, 5s, and 10s.</p> <p>The effect of exercise on the body.</p>	<p>Medicine – Animal biology</p> <p>Living and non-living things</p> <p>Classify plants into habitats</p> <p>Animal adaptations to habitats</p> <p>Micro-habitat – what’s under a log?</p> <p>Food chains</p> <p>What does a snail like to eat?</p> <p>What do snails like to eat?</p> <p>STATISTICS: Interpret and draw block diagrams</p>	<p>Going Wild - Plant Biology</p> <p>What does a plant need to grow? Air, light, water, soil</p> <p>Bulbs and seeds; Plant lifecycle</p> <p>Factors which affect a plant’s growth</p> <p>STATISTICS – Read information from simple tables;</p> <p>Ask and answer questions about totals and comparisons from tables</p>	<p>Inventions – Physics (Electricity)</p> <p>Identify electrical appliances</p> <p>Identify battery operated appliances</p> <p>Construct a simple circuit</p> <p>Name and draw parts of a circuit -NOT circuit diagrams</p> <p>What conducts electricity?</p>
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