



# Understanding the World - Managing Self/The Natural World/Science – EYFS – KS1

		Managing Self	How this is achieved in EYFS	Key Vocabulary to be developed in EYFS	Science Year 1
		3- & 4-year-olds	Be increasingly independent in meeting their own care needs, e.g., brushing teeth, using the toilet, washing and drying their hands thoroughly. Make healthy choices about food, drink, activity and toothbrushing.	<p>Discussions at snack time of the importance of healthy food choices.</p> <p>During lunch time discussions.</p> <p>Through stories and circle time discussions.</p> <p>Opportunities that encourage getting dressed and undressed independently.</p> <p>Naming body parts through songs – Heads, shoulders, knees and toes.</p> <p>RSE link – Correct naming of body parts.</p> <p>Talking about pets at home.</p> <p>Exploring minibeasts and recording our observations.</p>	<p>Exercise      Healthy</p> <p>Wash          Toothbrush</p> <p>Tooth / Teeth</p> <p>Body          Head</p> <p>Bones        Skeleton</p> <p>Family        Animal</p> <p>Human        Mammals</p> <p>Birds         Fish</p> <p>Insects       Lifecycle</p> <p>Nocturnal</p>
Children in Reception	<p>Manage their own needs.</p> <ul style="list-style-type: none"> <li>• Personal hygiene</li> </ul> <p>Know and talk about the different factors that support their overall health and wellbeing:</p> <ul style="list-style-type: none"> <li>• regular physical activity</li> <li>• healthy eating</li> <li>• toothbrushing</li> <li>• sensible amounts of 'screen time'</li> <li>• having a good sleep routine</li> <li>• being a safe pedestrian</li> </ul>				
ELG 13	Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.				
		The Natural World	<p>Going on walks to observe the local environment and to compare and learn about the seasons.</p> <p>Taking photos to compare seasons and discuss.</p> <p>Planting seeds and plants</p> <p>Looking after the EYFS garden.</p> <p>Creating bug hotels</p> <p>Growing plants from bulbs and seeds.</p> <p>Making boats to explore best materials.</p> <p>Water tray activities to explore water, ice, and materials that float and sink.</p> <td rowspan="5"> <p>Lifecycle</p> <p>Plant</p> <p>seed</p> <p>grow</p> <p>roots</p> <p>Flower</p>   <p>Seasons</p> <p>Autumn</p> <p>Winter</p> <p>Spring</p> <p>Summer</p> <p>Change</p> <p>Weather</p>   <p>Material</p> <p>Wood</p> <p>Plastic</p> <p>Glass</p> <p>Float</p> <p>Sink</p> <p>Liquid</p> <p>Solid</p> </td> <td rowspan="2"><b>Plants</b></td>	<p>Lifecycle</p> <p>Plant</p> <p>seed</p> <p>grow</p> <p>roots</p> <p>Flower</p> <p>Seasons</p> <p>Autumn</p> <p>Winter</p> <p>Spring</p> <p>Summer</p> <p>Change</p> <p>Weather</p> <p>Material</p> <p>Wood</p> <p>Plastic</p> <p>Glass</p> <p>Float</p> <p>Sink</p> <p>Liquid</p> <p>Solid</p>	<b>Plants</b>
3- & 4-year-olds	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Explore collections of materials with similar and/or different properties.</p> <p>Talk about what they see, using a wide vocabulary.</p> <p>Explore how things work.</p> <p>Plant seeds and care for growing plants.</p> <p>Understand the key features of the life cycle of a plant and an animal.</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p> <p>Explore and talk about different forces they can feel.</p> <p>Talk about the differences between materials and changes they notice.</p>	<b>Seasonal changes</b>			
Children in Reception	<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>				
ELG 13	<p>Understanding some important processes and changes in the natural world around them, including seasons and changing states of matter.</p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p>				<b>Everyday Materials</b>
<b>Scientific Vocabulary</b> – Scientist, Sort, observation, identify, compare, group, investigate, test, evaluate					

Specific Area of Learning  
PSED/Understanding the World

## EYFS Understanding the World Managing Self/ The Natural World/Science – Knowledge and Skills breakdown

Term	Autumn		Spring		Summer	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme	Seasonal Changes, Senses, My body	Materials/ Seasonal Changes	Changing States/ Seasonal Changes	Plants/Seasonal Changes	Animals/ Seasonal Changes	Environments/ Seasonal Changes
Nursery	<p>I am beginning to demonstrate independence in self-care.</p> <p>I am beginning to talk about Autumn</p>	<p>I can talk about Autumn.</p> <p>I can explore found natural materials and sort them into groups or different properties.</p>	<p>I can talk about winter.</p> <p>I can talk about how materials change.</p> <p>I can explore objects and talk about whether they float or sink.</p>	<p>I can talk about Spring.</p> <p>I can plant a seed and observe the changes.</p> <p>I can talk about the life cycle of a plant.</p>	<p>I can talk about the life cycle of a butterfly.</p> <p>I can show care and respect for animals in the class.</p>	<p>I can talk about summer.</p>
Vocabulary	<p>Season, senses, investigate, guess, autumn, weather</p> <p>Body, teeth, family, healthy, wash, body parts</p>	<p>Materials, same, different</p> <p>Autumn, weather, leaves, cold, fall, crunchy, autumn, colours</p>	<p>Change, freeze, melting, float, sink, winter, weather</p>	<p>Plant, life-cycle, seed, petal, roots, soil, water, sun, spring, summer, weather, grow</p>	<p>Animal, change, investigate, grow, life cycle, care, home, respect, guess, winter, spring, weather</p> <p>Caterpillar, chrysalis, cocoon, butterfly</p>	<p>Same, different, change, different, hot, cold, weather</p>

Term	Autumn		Spring		Summer	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme	Senses, My body Seasonal Changes	Materials/Seasonal Changes	Changing States/ Seasonal Changes	Plants/Seasonal Changes	Animals/ Seasonal Changes	Environments/ Seasonal Changes
Reception	I am independent in my self-care and talk about healthy eating, exercise and hygiene.  I am beginning to talk about the changes that happen in Autumn.	I can talk about the changes that happen in Autumn.  I can identify similarities and differences in found natural materials and discuss what I have observed.	I can talk about the changes that happen in winter.  I can discuss how materials have changed.  I can sort materials into groups according to their floating/sinking properties.	I can talk about the changes that happen in spring.  I can talk about the life cycle of a plant and show my understanding through mark making.	I can talk about a variety of life cycles and show my understanding through mark making.  Frog	I can talk about the changes that happen in summer.  I can talk about the habitats of certain animals
Vocabulary	Senses, investigations, predict, result, autumn, weather, scientist, skeleton, bones, heart, exercise, healthy	Materials, changes, natural, man-made, texture, autumn, winter weather, Scientist.	Change, freeze, melting, floating, sinking, winter, weather, Scientist, solid, liquid.	Plant, life cycle, seed, petal, roots, stem, leaves, soil, water, sun, spring, summer, weather, scientist	Habitat, change, investigation, predict, respect, grow, life cycle, nurture, winter, spring, weather, scientist  Frog, frog spawn, tadpole, froglet	Similarities, differences, change, temperature, summer, weather, scientist, habitat  Lion, giraffe, polar bear, monkeys
Scientific Visitors	Hand washing nurses	Doctor/nurse?		gardener		Yorkshire Wildlife Park

Make reference to last years learning e.g. do you remember in Nursery last year we looked at the life cycle of a caterpillar?

Had animal learning then visit to YWP right at the start of summer 2 and talk about addressing misconception of animals not in natural habitat (e.g. polar bears not in snow).

Challenge stereo types...not all children live in mud huts and only in some parts of Africa. Address misconceptions. Pictures of cities and supermarkets too. Photos in provision.