



Smithdown Primary School Science Yearly Overview

Working Scientifically is taught throughout the year						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2 *blocked off for consolidation*
	EYFS – Understanding the World is woven through the EYFS curriculum through play-based learning and everyday exploration. Listed below are specific topics explored throughout the year, however, incidental learning also occurs due to following children’s interests and current affairs.					
YN	Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term	
	UtW – Range 5 Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world Talks about why things happen and how things work Developing an understanding of growth, decay and changes over time Shows care and concern for living things and the environment Begin to understand the effect their behaviour can have on the environment					
			Humans - food & healthy eating	Living Things and their Habitats - types of animals and habitats		Living Things and their Habitats - insects and microhabitats
YR	Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term	
	UtW – Range 6 Looks closely at similarities, differences, patterns and change in nature Knows about similarities and differences in relation to places, objects, materials and living things Talks about the features of their own immediate environment and how environments might vary from one another Makes observations of animals and plants and explains why some things occur, and talks about changes UtW – ELG Explore the natural world around them, making observations and drawing pictures of animals and plants Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.					
	Humans - describing self and their features	Forces - experimenting with vehicles	Materials - creating superhero props	Plants - making observations of plants and changes	Animals - describing animals and habitats	
Y1	Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term	
	Animals including humans		Everyday materials		Plants	



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	- naming animal and body parts		- names and properties of simple materials		- name and structure	
Y2	Living things and their habitats - living, non-living and never been alive	Animals, including humans -health and growth	Use of everyday materials - suitability and changing shapes of materials		Plants - growing conditions for seeds and bulbs	Living things and their habitats continued - suitable habitats/simple food chains
Y3	Forces and Magnets - friction-how things move on different surfaces/magnets	Rocks - simple properties, fossils, soils	Animals including humans - skeletons	Light - dark is the absence of light, shadows	Plants - functions of parts and life cycles	
Y4	Sound - vibrations, pitch and volume	Electricity - simple circuit, switches, conductors and insulators	Animals including humans - teeth, eating and digestion	Living things and their habitats - grouping and simple classifying/changes to habitats	States of matter - solids, liquids, gases, heating and cooling, water cycle	
Y5	Living things and their habitats - life cycles, reproduction	Animals including humans - changes in humans as they grow	Earth and Space	Forces - gravity, friction, air-resistance, levers, pulleys and gears	Properties and changes - properties including thermal and electrical conductivity, mixing and separating, reversible and irreversible	
Y6	Evolution and inheritance - fossils, adaptation	Living things and their habitats - classifying including microorganisms	Animals including humans - circulatory system, functions of the heart, blood vessels and blood, health, water transport in animals	Light - travels in straight lines, how we see things	Electricity - what effects bulb brightness, buzzer volume, voltage, symbols	



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Red – Physics

Green – Biology

Blue - Chemistry