



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	Living Things and their Habitats - exploring local environment	Animals - describing animals and habitats	



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Y1	Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term	
	Animals including humans - naming animal and body parts		Everyday materials - names and properties of simple materials	Plants - name and structure		
Y2	Living things and their habitats - suitable habitats/simple food chains		Animals, including humans - health and growth	Plants - growing conditions for seeds and bulbs	Use of everyday materials - suitability and changing shapes of materials	
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 the grow	Earth and Space	Forces - gravity, friction, air-resistance, levers, pulleys and gears	Properties and changes - properties including thermal and electrical conductivity, missing and separating, reversible and irreversible	
Y6	Evolution and inheritance - fossils, adaptation	Electricity - what effects bulb brightness, buzzer volume, voltage, symbols	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	Living things and their habitats - classifying including microorganisms	



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Red – Physics

Green – Biology

Blue - Chemistry