



# 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 these are not the sole topics explored due to staff also following children’s interests					
YN	Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term		Seasonal changes ongoing throughout each term	
			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	
	Humans - describing self and their features	Forces - experimenting with vehicles		Living Things and their Habitats - exploring local environment	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 - naming animal and body parts		Everyday materials - names and properties of simple materials	Plants - name and structure		
Y2	Living things - 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	Rocks - simple properties, fossils, soils	Animals including humans - skeletons	Light - dark is the absence of light, shadows	Plants - functions of parts and life cycles	



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	- friction-how things move on different surfaces/magnets					
Y4	<b>Sound</b> - vibrations, pitch and volume	<b>Electricity</b> - simple circuit, switches, conductors and insulators	<b>Animals including humans</b> - teeth, eating and digestion	<b>Living things and their habitats</b> - grouping and simple classifying/changes to habitats	<b>States of matter</b> - solids, liquids, gases, heating and cooling, water cycle	
Y5	<b>Living things and their habitats</b> - life cycles, reproduction	<b>Animals including humans</b> - changes in humans as the grow	<b>Earth and Space</b>	<b>Forces</b> - gravity, friction, air-resistance, levers, pulleys and gears	<b>Properties and changes</b> - properties including thermal and electrical conductivity, mixing and separating, reversible and irreversible	
Y6	<b>Evolution and inheritance</b> - fossils, adaptation	<b>Living things and their habitats</b> - classifying including microorganisms	<b>Animals including humans</b> - circulatory system, functions of the heart, blood vessels and blood, health, water transport in animals	<b>Light</b> - travels in straight lines, how we see things	<b>Electricity</b> - what effects bulb brightness, buzzer volume, voltage, symbols	

Red – Physics  
 Green – Biology  
 Blue - Chemistry