

Scientific Knowledge Progression

Area of knowledge	Topic the knowledge is covered by
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	EYFS	Year 1	Year 2	Year3	Year 4	Year 5	Year 6
Biology	Living things and their habitats (looking after animals)		Living things and their habitats (suitable habitats/ simple food chains)		Living things and their habitats (classifying/ changes to habitats)	Living things and their habitats (life cycles)	Living things and their habitats (classifying including microorganisms)
	How does it grow/change?		Beachcombers		Blue Abyss	Beast Creator, Frozen Kingdom, ID, Allotment	
	Explore, observe and draw plants	Plants (names and structure of plants)	Plants (conditions for growing)	Plants (function of parts & life cycle)			
	How does it grow/change?	Enchanted Woodland, Scented Garden		Predator (Make sure – pollination, seed formation and dispersal is included)			
	Explore, observe and draw animals Make healthy food choices	Animals, including humans (naming animals & body parts)	Animals, including humans (health and growth)	Animals, including humans (skeletons)	Animals, including humans (Teeth, eating and digestion)	Animals, including humans (changes in humans as they grow)	Animals, including humans (health and circulation)
	How does it grow/change?	Paws, Claws and Whiskers, Dinosaur Planet Beachcombers, Memory Box		Predator, Burps, bottoms and bile! Blue Abyss		Blood Heart	
							Evolution and inheritance
						Frozen Kingdom, Darwin's Delight	
Chemistry	Materials	Everyday materials	Uses of every day materials	Rocks (including fossil formation)			
	Can I tell you a story? Where do you live?	Land Ahoy! Moon Zoom!		Tremors (include how soils are made extra) Predator			
	Understand processes and changes including the changing states of matter				States of matter	Properties and changes of materials	
	Can I tell you a story?				Potions (include water cycle)	Scream Machine Science Materials Unit	

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Physics	Light			Light			Light
	How do you celebrate?			Science Light Unit		Hola Mexico & Science Light Unit	
	Sound (louder/quieter)				Sound		
	How do you celebrate?				Playlist		
	Experimenting with forces			Forces and magnets (friction/magnets)		Forces (gravity, friction, air resistance, water resistance, levers pulleys and gears)	
	Are you the same as me?			Mighty Metals		Scream Machine!	
	Seasonal changes	Seasonal changes				Earth and Space	
	Throughout	Throughout				Star Gazers	
	Electricity				Electricity		Electricity
	Are we there yet?			Science Electricity Topic		Time Traveller	