



# Science Progression (EYFS – Year 6)



## Working Scientifically

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Explore, observe, ask questions.	Ask questions, observe, record drawings.	Tests, tables, basic vocabulary.	Fair tests, variables, systematic recording.	Plan enquiries, measure, graphs.	Independent investigations, interpret results.	Evaluate, justify, select enquiries.

## Scientific Thinking

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Notice changes; talk about what is seen; begin grouping.	Identify similarities/differences; recognise simple patterns.	Recognise patterns; suggest simple explanations.	Understand cause and effect; group using scientific criteria.	Use models; recognise relationships.	Apply ideas; identify patterns in data.	Use models to explain and predict; link ideas.

## Scientific Knowledge

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Explore plants, animals, materials, seasons.	Plants, animals, materials, seasons, body parts.	Habitats, food chains, materials, needs.	Plants, rocks, light, forces, skeletons.	States of matter, sound, electricity, digestion.	Forces, materials, space, life cycles.	Evolution, circulation, light, electricity.



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## Scientific Vocabulary

Topic	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plants	plant, leaf, flower, grow	root, stem, leaf, tree, seed	growth, water, light	nutrients, transport	reproduction, life cycle	Pollination, seed dispersal	fertilisation
Animals incl. Humans	body, head, eyes, eat	animal, human, fish, bird	survival, exercise, food groups	skeleton, muscles, nutrition	digestion, teeth	life cycle, reproduction, puberty	circulatory system, heart, blood
Materials	hard, soft, wet, dry	material, wood, plastic, metal	suitable, uses, shape	rock, soil, fossil	solid, liquid, gas	dissolving, reversible, conductivity, insulating	properties, insulation
Light	light, dark	light source, shadow	shadow, darkness	reflection, transparent, opaque	revisit and deepen	link across topics	refraction, spectrum
Electricity	cause and effect (on/off)	simple devices	linked to materials	build foundations	circuit, bulb, switch	apply knowledge	voltage, current
Forces	push, pull	push, pull, movement	revisit in context	force, magnet, attract, repel	apply understanding	gravity, resistance, friction	link to mechanisms
Earth & Space	day, night, sun	seasons	weather patterns	link to light	revisit concepts	orbit, rotation, solar system	apply models
Sound	loud, quiet	sound	develop description	prepare for Y4	vibration, pitch, volume	apply understanding	link to energy



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Living Things & Evolution	living, dead	habitat	food chain, environment	classification	habitats, adaptation	develop understanding	evolution, inheritance
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