



Explorify



Science Long Term Plan

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R Cycle 1	Me and My World My body & senses	Autumn Changes Seasons	Celebrations Animals and their Habitats	From Farm to Fork Animals	Transport Everyday Materials – inc. melting/ freezing	Everyday Heroes Plants
Year R/I Cycle 2 Sparrows	All About Me My body & senses	Houses and Homes Everyday Materials	Polar Explorers Seasons	Under the Sea and Minibeasts Animals and their Habitats	Dinosaurs Different Types of Animals	Plants Plants
Outdoor Learning	Seasonal nature walks, mini-beast hunts, weather exploration, gardening, exploring outdoor materials, life cycles in action, forest school activities.					
Year 1/2 Cycle 1	Changing materials (Toys)	Pushes and Pulls	Animal lifecycles	Seasons	Plant Survival	
Year 1/2 Cycle 2	Describing materials	Changing materials (Buildings and Clothes)	Animal survival	Habitats	Making New Plants	
Year 2/3 Cycle 1	Forces & Movement- inc pushes and pulls	Light	Animal lifecycles	Animals, skeletons and movements	Seasons	Plant Reproduction
Year 2/3 Cycle 2 Woodpeckers	Magnets	Animal Survival	Solids, Liquids and Gases	Plants and their food production	Changing Materials (inc. Rocks & Soils)	Habitats
Outdoor Learning	Identifying, classifying plants and watching them grow; Identifying, naming, comparing variety of animals; observing seasonal changes; Identifying, comparing and grouping materials. Working Scientifically: Ask questions, observe closely, perform simple tests, identify and classify, gather and record data.					
Year 3/4 Cycle 1	Light	Making electrical circuits work	Digestion	Animals, Skeletons, Movement	Plant Reproduction	Mixtures and separating them
Year 3/4 Cycle 2	Magnets	Living things	Solids, Liquids and Gases	Rocks and soils	Plants and their food production	

We adopt the Hampshire Science Team's approach to the planning of our Science curriculum, strengthened further with use of resources from Explorify and Oak National Academy.

BIOLOGY

CHEMISTRY

PHYSICS

Year 4/5 Cycle 1	Controlling electrical circuits	Circulation	Mixtures and Separating them	How light behaves	Plant Reproduction	Digestion
Year 4/5 Cycle 2 Robins	Forces that oppose motion Inc, recap on magnets	Living things and lifecycles	Solids, Liquids and Gases	Rocks and Soils	Earth and Space	Sound
Outdoor Learning	Identifying parts of plants and functions, exploring requirements for growth, investigating life cycles and pollination; group animals based on their diet and features, compare and group different rocks; recognise light sources; understand shadows and reflection; investigating friction, pushes and pulls; compare solids, liquids and gases; understand changes of state to inc. evaporation and condensation; grouping living things; classification and changes to environment; Working Scientifically: Ask questions, setting up practical investigations, taking measurements, recording data					

Year 5/6 Cycle 1	Making new substances	Controlling electrical circuits	Circulation	How light behaves	Forces that oppose motion
Year 5/6 Cycle 2	Sound	Space and gravity	Animal Lifecycles	Fossils and Geological time	Classification and Evolution
Year 6 Cycle 2 Kingfishers	Sound	Space and gravity	Animal Lifecycles	Fossils and Geological time	Classification and Evolution
Outdoor Learning	Exploring gravity, air resistance, water resistance and friction; levers, pulley and gears; Exploring how light travels, how we see reflection and shadows; movement of the earth and other planets, rotation of the Earth, Day/Night; Reversible/irreversible changes, filtering, dissolving, evaporating; classification, life cycle of plants and animals; Human development, circulatory system, effects of diet, drugs and exercise; Working Scientifically: planning investigations, controlling variables, recording and presenting data, drawing conclusions				

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BIOLOGY	CHEMISTRY	PHYSICS
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N.B- For the year 2026/2027- Our sequencing has been very carefully adapted to reflect prior learning in a mixed-age rolling programme. Units have been amended to ensure full coverage of statutory content from the UK National Curriculum for Science for each year group and progression, while avoiding unnecessary repetition.

Suggested Timeframes for the units, as recommended by Hampshire Science Team.

Key idea	Years1 and 2	Years 3 and 4	Years 5 and 6
Plants	9	20	Not taught
Animals	15	16	9
Variation and evolution*	30	30	31
Materials	16	21	18
Forces**	6	9	15
Electricity	Not taught	11	8
Light	Not taught	9	12
Sound***	Not taught	Not taught	11
Earth and space	Not taught	Not taught	11
Total	76	116	114

Phase	Weeks available for teaching science	Hours of science teaching required	Hours of science per week (in allocated weeks)
Years 1 and 2	55	76	1 hour 20 minutes
Years 3 and 4	68	127	1 hour 50 minutes
Years 5 and 6	64	103	1 hour 40 minutes

Per Year Y1/2- 27.5 38
 Y 3/4- 34 63.5
 Y 5/6- 32 51.5

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