SS Peter & Paul Catholic Primary School

Science Long Term Plan

Nursery to Year 6 · 2026–27

Science is taught across the year through the units shown below. Working Scientifically is woven through the programme of study content in every year group. A dash shows a half term in which no separate science unit is listed in the current overview.

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1 **Questions & observations**	Seasonal changes: Autumn seasons, weather, an autumn walk, natural changes and daylight	Seasonal changes: Winter winter weather, natural changes, daylight and animals in winter	Everyday materials materials and objects, properties, absorbency and sorting	Plants beans, wild and garden plants, trees, plant parts and growth Seasonal changes: Spring spring weather, changes around us and daylight	Animals including humans human body, senses, grouping animals, animal bodies and diet	Seasonal changes: Summer summer weather, changes around us, daylight and sun safety Sustainability
Year 2 **Patterns & comparisons**	Uses of everyday materials origins, properties, grouping and sorting	Living things & their habitats — Part 1 living, dead and never alive; Arctic animals, survival, adaptation and dependency	Living things & their habitats — Part 2 woodland habitats, microhabitats and food chains	Plants seeds and bulbs; needs for light, water and temperature	Animals including humans basic needs; exercise, food and hygiene	Sustainability
Year 3 **Fair tests & evidence**	Light & shadows seeing, reflection, sun safety, shadow formation and patterns	Animals including humans nutrition, skeletons and muscles	Forces & magnets surface movement, contact and non-contact forces, attraction, repulsion and magnetic materials	Rocks & soils rock properties, fossils, soil and a link to volcanoes	Plants plant parts, pollination, seed formation and dispersal, and water transport	Sustainability
Year 4 **Enquiry & conclusions**	Living things & their habitats	Animals including humans	States of matter / Water 3 additional lessons	Electricity	Sustainability	Living Things and their Habitat
Year 5 **Variables & precision**	Forces air resistance, water resistance, friction, levers, pulleys and gears	Living things & their habitats	Properties & changes of materials Animals including humans	Animals including Humans	Earth & Space solar-system dioramas and a Moon-phase diary	Sustainability
Year 6 **Evidence & evaluation**	Living things & their habitats classification, observable characteristics, similarities and differences	Light straight-line travel, reflection, vision and shadow formation	Animals including humans circulatory system, heart, blood, vessels, diet, exercise and nutrient transport	Evolution & inheritance change over time, fossils, offspring, variation, adaptation and evolution	Electricity cells and voltage, circuit symbols and reasons for component variation	Sustainability

The golden threads

Scientific Enquiry	Observation, Measurement & Recording	Evidence, Conclusions & Communication
Ask questions, choose suitable enquiry types, carry out comparative and fair tests, and increasingly recognise and control variables.	Observe carefully, use equipment appropriately, measure in standard units and develop increasing accuracy, precision and repeat readings.	Gather and present data, identify patterns, draw conclusions, make predictions, evaluate results and use scientific evidence to explain findings.