



Science Overview



Science teaches an understanding of natural phenomena. It aims to stimulate a child’s curiosity in finding out why things happen in the way they do. At Smithdown Primary School, we follow the National Curriculum and we aim to develop a lively interest in science; encouraging children to ask “Why?” and “How?” We strive to develop children’s curiosity through child led enquiry; developing a range of skills which will enable them to work scientifically in a range of ways. Through this we hope to encourage a scientific approach to problem solving and an understanding of the world around them.

	Working Scientifically through the year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Sum 2
Year 1		Begin Seasonal Changes (ongoing, changes and weather)	Animals, including Humans (naming animal and body parts)	Plants (names and Structure)	Everyday Materials (names and properties of simple materials)	Seasonal Changes (ongoing, changes and weather)	Left blank for over running/ child initiated science
Year 2		Animals, including humans (health and growth)					
Year 3		Forces and Magnets (friction-how things move on different surfaces/magnets)	Animals including humans (skeletons)	Rocks (simple properties, fossils, soils)	Light (dark is the absence of light, shadows)	Plants (functions of parts and life cycles)	

Year 4	Sound (fainter sounds further away, vibrations, pitch and volume)	Living things and their habitats (grouping and simple classifying/changes to habitats can pose dangers)	Electricity (simple circuit, switches, conductors and insulators))	States of matter (solids, liquids, gases, heating and cooling, water cycle	Animals including humans (teeth, eating and digestion)
Year 5	Living things and their habitats (life cycles, reproduction)	Animals including humans (changes in humans as the grow)	Earth and Space (other planets)	Forces (Gravity, friction, air-resistance, levers, pulleys and gears.)	Properties and changes (more properties including thermal and electrical conductivity , missing and separating, reversible and irreversible.)
Year 6	Evolution and inheritance (more about fossils, adaptation)	Electricity (what effects bulb brightness, buzzer volume, voltage, symbols)	Animals including humans (circulatory system, functions of the heart, blood vessels and blood, health, water transport in animals)	Light (Travels in straight lines, how we see things)	Living things and their habitats (classifying including microorganisms)

Red – Physics

Green – Biology

Blue - Chemistry