

Albert Village Primary School Science Curriculum

Biology, Chemistry and Physics Overview

	Biology Coverage	Chemistry Coverage	Physics Coverage
Reception			
Year 1	Plants Animals, including humans Seasonal changes	Everyday materials	Seasonal changes
Year 2	Living things and their habitats Plants Animals, including humans	Use of everyday materials	
Year 3	Plants Animals, including humans	Rocks	Light Forces and magnets
Year 4	Living things and their habitats Animals, including humans	States of matter	Sound Electricity
Year 5	Living things and their habitats Animals, including humans	Properties and changes of materials	Earth and space Forces
Year 6	Living things and their habitats Animals, including humans Evolution and inheritance		Light Electricity
KS3	Structure and function of living organisms: cells and organisation, the skeletal and muscular systems, nutrition and digestion, gas exchange systems, reproduction, health Material cycles and energy: photosynthesis, cellular respiration Interactions and interdependencies: relationships in an ecosystem Genetics and evolution: inheritance, chromosomes, DNA and genes	The particulate nature of matter Atoms, elements and compounds Pure and impure substances Chemical reactions Energetics The periodic table Materials Earth and atmosphere	Energy: calculation of fuel uses and costs in the domestic context, energy changes and transfers, changes in systems Motion and forces: describing motion, forces, pressure in fluids, balanced forces, forces and motion Waves: observed waves, sound waves, energy and waves, light waves Electricity and electromagnetism: current electricity, static electricity, magnetism Matter: physical changes, particle model, energy in matter Space physics