



# Tower View Primary School Science Curriculum

## Biology, Chemistry and Physics Overview

	<b>Biology Coverage</b>	<b>Chemistry Coverage</b>	<b>Physics Coverage</b>
<b>Reception</b>			
<b>Year 1</b>	Plants Animals, including humans Seasonal changes	Everyday materials	Seasonal changes
<b>Year 2</b>	Living things and their habitats Plants Animals, including humans	Use of everyday materials	
<b>Year 3</b>	Plants Animals, including humans	Rocks	Light Forces and magnets
<b>Year 4</b>	Living things and their habitats Animals, including humans	States of matter	Sound Electricity
<b>Year 5</b>	Living things and their habitats Animals, including humans	Properties and changes of materials	Earth and space Forces
<b>Year 6</b>	Living things and their habitats Animals, including humans Evolution and inheritance		Light Electricity
<b>KS3</b>	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