

Science KS3 Scheme of Work

Term	Number of weeks	Year 7	Year 8	Year 9
1	6	<ul style="list-style-type: none"> Starting Science (Health and safety, scientific enquiry) Cells and organisation Drugs (Alcohol and smoking) Reproduction (Types, fertilisation) 	<ul style="list-style-type: none"> Keeping healthy (microbes, infectious diseases and cholera) Life support (Heart, lungs, diet) 	<ul style="list-style-type: none"> Cell biology Atomic structure and the periodic table Energy
	<i>Half term</i>			
	6	<ul style="list-style-type: none"> Particles (Particles theory, solubility) Elements (Properties of elements, compounds, mixture) 	<ul style="list-style-type: none"> Metals (Reactivity Series, properties of metals) Rocks (Types and the cycle) 	<ul style="list-style-type: none"> Organisation Bonding, structure and the properties of matter Electricity
<i>Christmas and new year holiday</i>				
2	6	<ul style="list-style-type: none"> Electricity and Magnetism (circuits, series and parallel circuits, electric symbols) Energy (Energy transfer, resources) 	<ul style="list-style-type: none"> Light (Reflection, Refraction, diffraction) Sound (Frequency, Amplitude, Pitch) 	<ul style="list-style-type: none"> Infection and response Quantitative chemistry Particle model of atoms
	<i>Half term</i>			
	4	<ul style="list-style-type: none"> Acids (pH scale, Neutralisation) Chemical reactions (chemical and Physical changes, combustion) 	<ul style="list-style-type: none"> Heating and cooling (heat transfer, Heat conservation in homes) Moving around (Terminal velocity, air resistance, streamlining) 	<ul style="list-style-type: none"> Bioenergetics Chemical changes Atomic structure
3	6 weeks	<ul style="list-style-type: none"> Forces (Gravity, mass and weight) Space and solar system 	<ul style="list-style-type: none"> Periodic table (Devising, groups and periods) Atoms and compounds 	<ul style="list-style-type: none"> Homeostasis and response Energy changes Forces
	<i>Half term</i>			
	4	<ul style="list-style-type: none"> Variations (inherited and environmental) Classification of organisms (Plants: Vascular and non-vascular, Animals: Vertebrates and invertebrates) 	<ul style="list-style-type: none"> People and the environment (Adaptations, competitions) Selective breeding and cloning 	<ul style="list-style-type: none"> Homeostasis and response The rate and chemical extent of chemical changes waves

(Subject to change)