

Curriculum Area: Science

Subject Coordinator(s): Gillian James and Lucy Tabor

<u>Year Group</u>	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<b>Year 7</b>	<p><b>Humans and other Animals</b></p> <p>Senses, skeleton, muscles, growth</p> <p>Cells</p>	<p><b>Changing Materials</b></p> <p>Temperature, states of mater, change of state,</p> <p>Particles</p>	<p><b>Light</b></p> <p>Shadows, eyes and sight, light sources, reflection and refraction</p> <p>Energy</p>	<p><b>Variation and classification</b></p> <p>Living and non living, classification variation, inherited characteristics</p> <p>Reproduction</p>	<p><b>Space</b></p> <p>Day and night, seasons, solar system, planets and gravity.</p>	<p><b>Plants</b></p> <p>Living things, reproduction, photosynthesis</p> <p>Cells</p>
<b>Year 8</b>	<p><b>Chemical reactions</b></p> <p>Bubbles, combustion, , fire safety, pH, rusting, reactivity series</p>	<p><b>Exercise and food</b></p> <p>Food groups, digestion, energy,</p>	<p><b>Sound</b></p> <p>Hearing, pitch, amplitude, waves</p>	<p><b>Acids and Alkalis</b></p> <p>Measuring pH, neutralisation, reactions between metals and acids.</p>	<p><b>Forces</b></p> <p>Push/pull, gravity, air resistance, friction, magnetism, floating/ sinking.</p>	<p><b>Ecology</b></p> <p>Habitats, environments, survival, food chain/web, camouflage.</p> <p>Adaptation</p>
<b>Year 9</b>	<p><b>Organs and systems</b></p> <p>Blood , heart, brain, digestion, lungs and gas exchange , cells.</p> <p>Cells</p>	<p><b>Solutions</b></p> <p>Atoms, compounds, mixtures, filtering, distillation, chromatography, periodic table</p>	<p><b>Electricity</b></p> <p>uses of electricity, circuits ,series and parallel, components,current, static, magnetism, charge and electrons</p>	<p><b>Microbes and Disease</b></p> <p>Infection, hygiene, causes of disease, classification of microbes, antibiotics,</p>	<p><b>Energy and Electricity</b></p> <p>Uses of electricity continued, generating electricity, renewable and non renewable, energy transfers and efficiency.</p>	<p><b>Changing Earth</b></p> <p>Rock formation, structure of the Earth, finite resources of Earth, environmental impact, global warming.</p>
<b>Year 10 AQA ELC 5960</b>	<p><b>Component 1- Biology: The human body</b></p>		<p><b>Component 3 - Atoms, Elements, Mixtures and Compounds</b></p>		<p><b>Component 5 - Energy, Forces and Structure of Matter</b></p> <p><b>Component 2 - Fieldwork investigation</b></p>	
<b>Year 11 AQA ELC 5960</b>	<p><b>Component 2 - Biology: Environment, evolution and inheritance</b></p> <p><b>Component 4 - Chemistry in Our World</b></p>		<p><b>Component 6 - Electricity, MagneStism and Waves</b></p>		<p>Exam preparation and examinations</p>	