

Subject: Science

Head of Dept/Faculty: Mr P Wilson

	Content Description
Year 7	<p>KS3 Science aims to ensure that all pupils:</p> <ul style="list-style-type: none">• Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics• Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them• Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future. <p>Content included in Y7:</p> <ul style="list-style-type: none">• Structure and function of living organisms• Material cycles and energy• The particulate nature of matter• Atoms, elements and compounds• Pure and impure substances• Materials• Earth and atmosphere• Energy• Motion and forces• Waves
Year8	<p>KS3 Science aims to ensure that all pupils:</p> <ul style="list-style-type: none">• Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics• Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them <p>Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future. Content covered includes</p> <ul style="list-style-type: none">• Interactions and interdependencies• Genetics and evolution• Chemical reactions• Energetics• The Periodic Table• Electricity and electromagnetism• Matter• Space physics
Year9	<p>Students start GCSE Trilogy Science. Set 1 will complete Separate Science. Students will study the first 2 units from each field within Science. Students will also complete required practical (an element of the GCSE). These topics are:</p>

	<ol style="list-style-type: none">1. Cell biology (Biology)2. Organisation (Biology)3. Atomic structure and the periodic table (Chemistry)4. Bonding, structure, and the properties of matter (Chemistry)5. Particle model (Physics)6. Atomic structure (Physics)
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