

Curriculum Overview – **Science Year 10**

Year	Term	Units of Work	Assessment
10	1	<p>Biology</p> <ul style="list-style-type: none"> • Communicable diseases • Vaccination • Antibiotics and drug development • Photosynthesis • Separate science – Monoclonal antibodies, plant diseases <p>Chemistry</p> <ul style="list-style-type: none"> • Metals • Uses of crude oil <p>Physics</p> <ul style="list-style-type: none"> • Electricity 	<p>Biology</p> <ul style="list-style-type: none"> • Key task focusing on topics shown • Key assessment covering topics shown and synoptic elements from previous modules. <p>Chemistry</p> <ul style="list-style-type: none"> • Key task focusing on Extracting metals with some synoptic content • Key assessment covering extracting metals and the uses of crude oil and covering synoptic elements from previous modules <p>Physics</p> <ul style="list-style-type: none"> • Key task focusing on Electricity • Key assessment covering Electricity and synoptic elements from previous modules. <p>Separate science classes also complete an additional key task which formatively assesses an additional piece of extended writing.</p>
	2	<p>Biology</p> <ul style="list-style-type: none"> • Respiration • Homeostasis • Separate science – The brain, the eye, further homeostasis <p>Chemistry</p> <ul style="list-style-type: none"> • The Earth and Water • Ionic bonding <p>Physics</p> <ul style="list-style-type: none"> • Electricity 	<p>Biology</p> <ul style="list-style-type: none"> • Key task focusing on topics shown • Key assessment covering topics shown and synoptic elements from previous modules. <p>Chemistry</p> <ul style="list-style-type: none"> • Key task focusing on The Earth and Water • Key assessment covering The Earth and Water, Ionic bonding and covering synoptic elements from previous modules <p>Physics</p> <ul style="list-style-type: none"> • Key task focusing on the second half of the Electricity topic • Key assessment covering Electricity and synoptic elements from previous modules. <p>Separate science classes also complete an additional key task which formatively assesses an additional piece of extended writing.</p>

	3	<p>Biology</p> <ul style="list-style-type: none"> • Contraception and infertility • Reproduction • Meiosis • DNA and inheritance • Separate science – Plant hormones, detailed structure of DNA <p>Chemistry</p> <ul style="list-style-type: none"> • Electrolysis • Useful products from oil <p>Physics</p> <ul style="list-style-type: none"> • Magnetism and Electromagnetism 	<p>Biology</p> <ul style="list-style-type: none"> • Key task focusing on topics shown • Key assessment covering topics shown and synoptic elements from previous modules. <p>Chemistry</p> <ul style="list-style-type: none"> • Key task focusing on electrolysis and products from oil • End of Y10 exam – synoptic covering all aspects studied since the start of Y9 <p>Physics</p> <ul style="list-style-type: none"> • Key task focusing on • Key assessment covering Magnetism and Electromagnetism and synoptic elements from previous modules. <p>Separate science classes also complete an additional key task which formatively assesses an additional piece of extended writing.</p>
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