



<b>Subject: Combined Science</b>		<b>Year 10 and Year 11</b>	
<b>Examination Board: Edexcel</b>	<b>Specification Code: 1SC0</b>	<b>Qualification: GCSE</b>	
<b>Director of Faculty:</b>		<b>KS4 Subject Lead:</b>	
<b>Teaching Staff:</b>			
<b>Curriculum Rationale:</b> The vision for science is “to develop ambitious and resilient learners who exceed expectations, question and can apply their working knowledge of Science in a modern-day world”. In order to achieve this vision, the curriculum is designed around threshold concepts to ensure every pupil has the opportunity to become experts in science. Science matters. The Edexcel Combined Science curriculum is an inclusive 9-1 GCSE that allows pupils to enjoy Science and have success in the subject. Every pupil is different, with the same science and equal number of exams across the tiered qualifications the school is able to structure the course in a way that can both support and stretch the pupils. The specification is straightforward and includes a selection of core practicals which are designed to help bring Science learning to life. The curriculum is carefully constructed to build on prior knowledge, revisit key ideas, provides the opportunity to consolidate knowledge in order to truly master the subject and form complex schema.			
<b>Yr 10 Term 1 - Course Content:</b> CB1 Key Concepts in Biology CC1/CC2 - States of Matter & Methods of separating and purifying substances CP1 – Motion CB2 - Cells and Control CC3/CC4 - Atomic Structure & The Periodic Table CP2 - Forces and Motion	<b>Yr 10 Term 2 - Course Content:</b> CB3 – Genetics CC5/CC6/CC7 - Ionic Bonding, Covalent Bonding & Types of Substance CP3 - Conservation of Energy CB4 - Natural Selection & Genetic Modification CC8 - Acids and Alkalis CP4 – Waves	<b>Yr 10 Term 3 - Course Content:</b> CP5 – Light and EM Spectrum CB5 - Health, Disease & the Development of Medicine CC9 – Calculations Involving Masses CP6 - Radioactivity CB6 – Plant Structures and their Functions	
<b>Yr 11 Term 1 - Course Content:</b> CP7/CP8 Forces and their Effects CC10/CC11/CC12 Electrolytic Processes, Obtaining and Using Metals & CC12 Reversible Reactions & Equilibria	<b>Yr 11 Term 2 - Course Content:</b> CP10/CP11 Magnetism and the Motor Effect & Electromagnetic Induction CB8 Exchange and Transport in Animals	<b>Yr 11 Term 3 - Course Content:</b> Paper 1 and Paper 2 revision for the GCSE external exams	

<p>CP9 Electricity and Circuits</p> <p>CB7 Animal Coordination, Control and Homeostasis</p> <p>CC13/CC14/CC15 Groups in the Periodic Table, Rates of Reaction &amp; Heat Energy Changes in Chemical Reactions</p> <p>Mocks revision</p>	<p>CC16/CC17 Fuels &amp; Earth and Atmospheric Science</p> <p>CP12/CP13 Particle Model &amp; Forces and Matter</p> <p>CB9 Ecosystems and Material Cycles</p>	
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**Assessment Overview:**

End of topic assessments.  
 One mock exam in Year 10.  
 Two mock exams in Year 11  
 All assessments have a higher (9-4) and foundation tier (5-1)

Extended writing task, 6 mark questions, are completed in every unit

**Homework and Revision Guidance:** (include an overview of homework/out of lesson expectations, where and how pupils can access Remote Learning Provision, when and where onsite revision will take place etc.)

One piece of homework per week.  
 Observations are ongoing throughout the course.  
 Revision sessions provided in school.  
 Learning resources provided via Google Classroom.  
 Pupils are provided with a CGP revision guide

**Learning and Career Pathways:** (include some examples of the type of FE, HE and Apprenticeship Pathways, and Careers, the study of this subject could support progression into.

Studying Science offers a wide variety of FE, HE and Apprenticeship pathways include A'levels and BTEC nationals in Applied Science  
 Careers that Science can support again are incredible varied from Medicine, Veterinary, Engineering, pharmacology and many more