

Course information			
Year: 11 Subject: Triple Science			
Subject	Science	Subject leader contact information	Mr Garland bgarland@cottesloe.bucks.sch.uk
Examination Board	AQA	Specification Codes	AQA Biology GCSE – 8461 AQA Chemistry GCSE – 8462 AQA Physics GCSE - 8463
Subject Content			
<p>Based on the national curriculum for science we strive for our KS4 science students to develop deeper thinking and to ask more and more questions of the world around them. Building on the breadth of knowledge from KS3 we focus in depth on key topics in order to maximise success for students.</p> <p>The triple science option gives students the opportunity to study each of the sciences as a separate subject throughout year 10. Students will receive three separate GCSEs (Biology GCSE, Chemistry GCSE and Physics GCSE) if they are successful in this course. Students will study the following as part of each qualification during year 11</p> <p>Biology GCSE B7 – Ecology</p> <p>Chemistry GCSE C7 – Organic Chemistry C8 – Chemical Analysis C9 – Chemistry of the Atmosphere C10 – Using Resources</p> <p>Physics GCSE P7 – Magnetism and Electromagnetism P5 – Forces</p> <p>The aim of Year 11 is to complete the curriculum as early in the year as possible in order to devote time to revision, practice and preparation.</p>			
Additional Equipment Needed			
<ul style="list-style-type: none"> • Students will need a scientific calculator. • We have recommended revision guides available in the school shop. • Coloured pencils are useful for diagrams 			
Assessment Details:			
<p>In year 10 students will have three formal assessment point (AP) exams. These are spread across key dates throughout the year. The AP tests are interleaved, which means that they potentially cover all prior learning up to that point. Therefore, students will need to regularly review and revise prior learning if they are to be successful. The AP exam results will be used to inform current levels, predicted grades, tiers of entry and setting of science groups.</p> <p>To be successful students will need to be able to:</p> <ul style="list-style-type: none"> • Think scientifically and work logically through problems • Build on previous scientific understanding in order to acquire as much scientific knowledge as possible • Develop strategies that allow them to store and recall the knowledge they have acquired • Practice applying their scientific understanding • Carryout practical investigations carefully and accurately • Revisit prior learning regularly 			
What can I do to support my child at home?			
Specific advice for parents... what can they do to help us?			
<ul style="list-style-type: none"> • Take an interest in the science that students are studying and discuss this with them • Information for the AP exams is published in advance. Please use this as an opportunity to help students get into good habits in terms of revision and exam preparation. • We recommend the use of Seneca learning. Encourage students to engage with this regularly and to use it for targeted revision in the preparation for exams 			

- Knowledge is key to success at GCSE help students to explore ways of committing information to memory – mini tests, podcasts, Seneca, mnemonics etc.
- Take advantage of relevant science institutes to support interest in science. For example, Tring Museum, National History Museum, Science Museum, Woburn Safari Park, College Lake, Whipsnade Zoo etc
- Where students have access to Tassomai please take an interest in the progress that they are making and encourage them to meet daily targets.

Recommended resources for the course:

Websites:

AQA – [Biology, Chemistry and Physics](#) websites

BBC Bitesize – [GCSE Biology](#), [GCSE Chemistry](#), [GCSE Physics](#)

[Kerboodle](#) – students will be given an access code

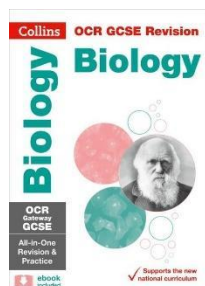
[Seneca](#) – students to create a free account

[Tassomai](#) – Targeted students may be provided access to this or parents may decide to subscribe

Books:

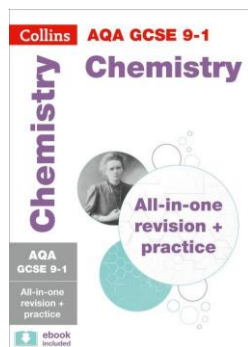
Collins GCSE 9-1 Revision - Grade 9-1 GCSE Combined Science Trilogy Higher AQA All-in-One Complete Revision and Practice

ISBN 978-0-00-816074-6



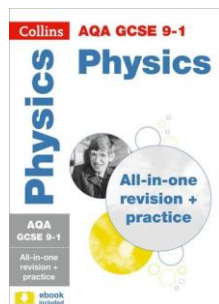
Collins GCSE 9-1 Revision - Grade 9-1 GCSE Chemistry AQA All-in-One Complete Revision and Practice

ISBN 978-0-00-816075-3



Collins GCSE 9-1 Revision - Grade 9-1 GCSE Physics AQA All-in-One Complete Revision and Practice

ISBN 978-0-00-816073-9



Students can also get access to the course text books via their [Kerboodle](#) account

Home Study and Independent Learning Parental Support Information

Teaching Staff Contact Details			
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Mr Garland	Head of Science	bgarland@cottesloe.bucks.sch.uk	01296688264
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