

Course information			
Year: 9 Subject: Science			
Subject	Science	Subject leader contact information	Mr Garland bgarland@cottesloe.bucks.sch.uk
Examination Board	AQA	Specification Code	KS3 Curriculum and AQA Combined Science Trilogy
Subject Content			
<p><i>Based on the national curriculum for science we strive for our 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 year 7 and 8 we focus in depth on key topics in order to maximise success for students. This is achieved in year 9 through the study of a range of topics across all three of the science disciplines as they start to make the transition to GCSE level.</i></p> <p><i>Cells</i></p> <p><i>Organisation</i></p> <p><i>Infection and Response</i></p> <p><i>Atomic Structure and the Periodic Table</i></p> <p><i>Bonding Structure and the Properties of Matter</i></p> <p><i>Quantitative Chemistry</i></p> <p><i>Energy</i></p> <p><i>Electricity</i></p> <p><i>Particle model of Matter</i></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><i>In year 9 students will have four 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.</i></p> <p>To be successful students will need to be able to:</p> <ul style="list-style-type: none"> ● <i>Think scientifically and work logically through problems</i> ● <i>Build on previous scientific understanding in order to acquire as much scientific knowledge as possible</i> ● <i>Develop strategies that allow them to store and recall the knowledge they have acquired</i> ● <i>Practice applying their scientific understanding</i> ● <i>Carryout practical investigations carefully and accurately</i> ● <i>Revisit prior learning regularly</i> 			
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"> ● <i>Take an interest in the science that students are studying and discuss this with them</i> ● <i>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.</i> ● <i>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</i> ● <i>Knowledge is key to success at GCSE help students to explore ways of committing information to memory – mini tests, podcasts, Seneca, mnemonics etc.</i> ● <i>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</i> ● <i>Where students have access to Tassomai please take an interest in the progress that they are making and encourage them to meet daily targets.</i> 			

Recommended resources for the course:**Websites:**

AQA – [Trilogy Combined Science](#)

BBC Bitesize – [GCSE Science](#) and [KS3 Science](#)

[Kerboodle](#) – students will be given an access code and they can get access to all of the KS3 and GCSE resources

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

Books:

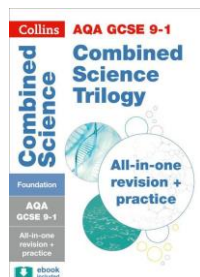
Collins GCSE 9-1 Revision - Grade 9-1 GCSE Combined Science Trilogy Higher AQA All-in-One Complete Revision and Practice

ISBN 978-0-00-816086-9



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

ISBN 978-0-00-816085-2



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

Teaching Staff Contact Details

Name	Role	Email	Tel
Mr Garland	Head of Science	bgarland@cottesloe.bucks.sch.uk	01296688264
Mrs Beatty	Science KS5 Coordinator	lbeatty@cottesloe.bucks.sch.uk	01296688264
Mr Sweet	Science KS3 Coordinator	asweet@cottesloe.bucks.sch.uk	01296688264