



**Year 9 & 10 - KS4**

## **SCIENCE**

### **Combined Science, Double GCSE**

All students in year 9 and 10 are studying for the Combined Science GCSE which they will take in Year 11. Students are completing the new OCR specification which began in September 2016. GCSE Combined Science is the equivalent of a double GCSE in science. The course identifies the activities and experiences that students will come across in everyday life and links them to their scientific roots and their implication for society. It is built around good science, providing a rewarding experience across all ability ranges. This course will provide students with the opportunities to develop scientific explanations and theories through practical investigation and allows them to develop a critical approach to scientific evidence and methods.

### **Useful Resources**

New Grade 9-1 GCSE Combined Science: OCR Gateway Revision Guide (Higher) by CGP is available via Parent Pay for £5.95; online by Amazon for £9.80 or from Waterstones for £9.95.

Kerboodle has their online digital text books, keyword glossaries, learning outcomes checklists and plenty of revision material. [www.kerboodle.com](http://www.kerboodle.com)

Doodlelearn has a plethora of quizzes, interactive activities, revision programmes all in bitesize pieces to help test your knowledge and understanding of each topic. [www.doodlelearn.com](http://www.doodlelearn.com)

BBC Bitesize has a range of good resources including information pages, videos, quizzes and activities to support the students learning <http://www.bbc.co.uk/education/subjects/zrkw2hv>

## GCSE Combined Science Scheme of Learning

	Biology	Chemistry	Physics
Topic 1	Cell Level Systems	Particles	Matter
Topic 2	Scaling Up	Elements, Compounds and Mixtures	Forces
Topic 3	Organism Level Systems	Chemical Reactions	Electricity and Magnetism
Topic 4	Community Level Systems	Predicting and Identifying	Waves and Radioactivity
Topic 5	Interaction Between Systems	Monitoring and Controlling Chemical Re-	Energy
Topic 6	Global Challenges	Global Challenges	Global Challenges
Topic 7	<b>Practical Skills Activity Groups (<i>across biology, chemistry and physics</i>)</b> Students complete these during lessons and can be tested on them in examinations – they receive a pass on their GCSE certificate for the successful completion of their practical skills		

### How you will be assessed?

There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas with the following core style.

100% Examination

All students will be entered for Higher Tier

Each of the six papers contributes equally to the final grade

**Questions:** Multiple choice, structured, closed short answer, and open response.