



Combined Science Course outline

Subject: Science	
Term	Main Assessment task
Autumn 1	
<ul style="list-style-type: none"> • P1: Matter • P2: Forces • P3: Electricity and Magnetism 	<ul style="list-style-type: none"> • End of Half Term Assessment on P1, 2 and 3.
Autumn 2	
<ul style="list-style-type: none"> • P4: Waves and radioactivity • P5: Energy • P6: Global Challenges 	<ul style="list-style-type: none"> • End of Half Term Assessment on P4, 5 and 6.
Spring 1	
<ul style="list-style-type: none"> • C1: Particles • C2: Elements, Compounds and Mixtures • C3: Chemical Reactions 	<ul style="list-style-type: none"> • Physics Mock Exam. • End of Half Term Assessment on C1, 2 and 3.
Spring 2	
<ul style="list-style-type: none"> • C4: Predicting and Identifying Reactions and Products • C5: Monitoring and Controlling Chemical Reactions. • C6: Global Challenges 	<ul style="list-style-type: none"> • End of Half Term Assessment on C4, 5 and 6.
Summer 1	
<ul style="list-style-type: none"> • B1: Cell Level Systems • B2: Scaling Up • B3: Organism Level Systems 	<ul style="list-style-type: none"> • End of Half Term Assessment on B1, 2 and 3.
Summer 2	
<ul style="list-style-type: none"> • B4: Community Level Systems • B5: Interaction Between Systems • B6: Global Challenges. 	<ul style="list-style-type: none"> • GCSE Exams to take place in May/June 2019.



Course Description for: Combined Science

Description

OCR Combined Science A (Gateway Science) (J250) Grades 1-9. – The specification is divided into topics, each covering different key concepts of Biology, Chemistry and Physics

Teaching of practical skills is integrated with the theoretical topics and they are assessed through the written papers.

This GCSE Biology course will encourage learners to:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- develop understanding of the nature, processes and methods of science, through different types of scientific enquiries that help them to answer scientific questions about the world around them.
- develop and learn to apply observational, practical, modelling, enquiry and problem solving skills, both in the laboratory, in the field and in other learning environments
- develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively.

Assessment

- Students either take the foundation tier or the higher tier. Those taking the foundation tier will be awarded a grade from 1-5. Those taking the higher tier will be awarded a grade from 4-9.
- There are 6 papers for both the foundation and higher tier. Each paper will make up 16.7% of the final grade awarded.
- There are also 16 compulsory practical tasks. Understanding of these practical activities will be tested in the papers.

Out of class learning including home-learning

Regular homework will be given to students. Homework activities will either be related to the topic they are studying or will be used to revise previous topics.

How parents can help

- Ensure students come equipped to lessons.
- Encourage students to regularly read.
- Allow students time at home to complete homework.