

Edexcel GCSE Combined Science



Why do we study GCSE Combined Science?

This is a required course that is useful for:



- Working out why things work
- Learning lots of information to help you understand the world
- Linking different facts together to explain complicated ideas

What will I study?



Pupils take their year 7, 8 and 9 science studies into a lot more detail. The 3 main sciences of Biology, Chemistry and Physics are studied. There are 9 Biology units looking at topics ranging from Genetics and Evolution to Health, Medicines and Disease. Physics has 13 units ranging from Newton's laws of Forces and Motion to explaining the electron movement in Electricity and Magnetism. The 17 Chemistry units are more closely linked with units 6 being examined on either paper. Again there is a wide range of subjects covered from Atomic Structure to Climate Change and Electrolysis

Sciences studied rotate every 4 to 5 weeks between Biology, Chemistry and Physics. Each unit is assessed with a topic test to check current levels of knowledge and understanding. There are also 4 mock examination opportunities to check progress against externally assessed criteria

How will I be assessed?



This course is assessed in the following way:

- Each subject has two 70 minute papers, of 60 marks each, giving a total of 6 papers.
- All 6 scores are totalled together with students receiving two GCSE grades ranging from 9-9 to 4-4 on the higher tier paper and 5-5 to 1-1 on the foundation tier paper.

Which skills will I develop and use?



Students are taught to:

- Recall and use key scientific formula
- Describe practical investigation methods
- Analyse primary and secondary data to draw valid conclusions.
- Evaluate and improve scientific methods and data
- Link ideas and concepts to explain observation and experience
- Evaluate the moral, social and economic implications of scientific discovery and innovation



How will I be able to use this subject in my future career?

This course provides good progression onto all Science A-Level courses, that will lead to careers in Engineering, Education, Design, Research and Investigation. The list of scientific career pathways is practically endless.