



Chemistry

Awarding Body	OCR	Specification Code	H422
Purpose of the course	The aim of the course is to encourage students to: Develop their interest in and enthusiasm for chemistry, including developing an interest in further study and careers in the subject; Appreciate how scientists make decisions about scientific issues and how the sciences contribute to the success of the economy and society; Develop essential knowledge and understanding of different areas of the subject and how they relate to each other. We focus on understanding, rather than just factual recall, and on technological applications and their social, economic, ethical and environmental implications. There is an emphasis on practical work throughout the course.		
Entry requirements	Candidates for this course will normally have taken either GCSE Chemistry or GCSE Combined Science and have attained at least a grade 6. In addition, a grade 6 Mathematics is advantageous.		
Type of qualification	A level: It is graded A* to E and a pass or fail in practical skills		
Course contents	Module 1 – Development of practical skills in chemistry Module 2 – Foundations in chemistry Module 3 – Periodic table and energy Module 4 – Core organic chemistry Module 5 – Physical chemistry and transition elements Module 6 – Organic chemistry and analysis Full specification: http://www.ocr.org.uk/Images/171720-specification-accredited-a-level-gce-chemistry-a-h432.pdf		
Assessment method	Paper 1 assesses the content from Modules 1, 2, 3 and 5 – 2hrs 15 mins (37% of A level) Paper 2 assesses the content from Modules 1, 2, 4 and 6 – 2hrs 15 mins (37% of A level) Paper 3 assesses the content from Modules 1 to 6. – 1 hr 30 mins (26% of A level) <u>Practical endorsement</u> The practical endorsement is a pass or fail part of the course. It is teacher assessed against the Common Practical Assessment Criteria (PAG). Performance in this component is reported separately to the performance in the A level examinations.		
Further studies	Chemistry is a compulsory requirement for dentistry, medicine, veterinary science and all the chemical-based degrees such as chemistry and pharmacy. It is also a preferred course for many biological-based degrees and for Natural Science		
Subject Lead	Mr P Holbrook		