Chemistry

Course objectives	Chemistry is the study of substances, what they are made of, how they interact and the role they play in living things. No matter how the world changes in the 21st century, Chemistry will always be at the centre of science and at the heart of life. The Salters course aims to broaden the appeal of Chemistry by emphasising the applications of chemistry and the work that chemists do to enrich people's lives.
Main qualifications	• A Level
Awarding Body	• OCR
Other compulsory qualifications	• None
Duration/ Lessons per week	• 6 x 50 minutes per week
Standard entry requirements	• Combined Science 66 or Triple 6 in chemistry and another 6. • Mathematics: minimum grade 6 • English Language minimum Grade 5
Progression opportunities	• Students who have studied A level Chemistry may go on to study for a science or chemical science degree or many related degrees such as pharmacy, forensic science or biological sciences. Most courses in medicine or veterinary science also demand an A level in Chemistry. • A Level Chemistry is also a good training for the world of commerce and employers recognise the key skills of numeracy, problem-solving and communication that are an integral part of chemistry courses. A level chemistry students often progress to careers in law, accountancy, journalism, finance or business.

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Course content	• You will learn about chemical topics ranging from the development of new medicines and the chemistry of the oceans to the chemistry behind the depletion of ozone in the atmosphere, the extraction of minerals and the discovery of new pharmaceuticals. The course examines how the accidental discovery of polythene led to exciting new 'designer polymers' that have revolutionised our lives as well as the exciting chemistry behind the colours in the clothes we wear. • During the course you will develop the practical skills needed to handle chemicals safely and perform accurate analytical chemistry. There are opportunities to visit the research laboratories at Southampton University.
Assessment	• In A Level Chemistry there are three written papers. Paper 1 assesses fundamentals of chemistry (41%), paper 2 covers scientific literacy (37%) and paper 3 assesses practical skills in chemistry (22%).
Costs	• Students will also be continually assessed during practical work for their practical endorsement qualification,
Additional information	• Students will be asked to contribute to the cost of transport for any educational visits. • Information about the course can be obtained from the OCR website: www.ocr.org.uk/qaulifications/as-a-level-gce-chemistry-b-salters-ho35-h433-from-2015
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