

Course Title	Chemistry
Exam Board	Edexcel
Course description:	<p>Chemistry will offer you a challenging experience of the independent study skills needed in later life, stretching your mental faculties to their full. You will be able to gain access to the most prestigious universities, careers and professions with a good A-Level grade in Chemistry. You will gain practical skills, and be able to practise your mathematical and linguistic abilities in lessons. You will learn how to present cogent arguments and how to collect and present safe and meaningful experimental evidence. You will have many opportunities to demonstrate responsibility, ability and independence.</p> <p>Using independent study, you will develop your learning style, focus on producing a high-quality file and support the work done in lessons with your own notes and revision materials. There will be considerable emphasis on the quality and presentation of the written work you produce, as well as your ability to show improvement after assessment.</p>
Assessment	<p>The structure of the course requires you to operate three folders of work, one tied to each of the three terminal exams. Papers 1 and 2 test factual knowledge and understanding, comprising 30% each of the assessment total. Paper 3 assesses practical ability and understanding of methods and data processing. This comprises 40% of the assessment total.</p> <p>There is no internal assessment and no coursework.</p> <p>AS exams are not offered. All assessment must take place at the end of Year 13.</p>
Admission Criteria:	Grade 7 in GCSE Chemistry or Grades 7 and 7 in GCSE Combined Science, though grade 8+ is recommended.
Additional information	<p>You must take Chemistry if you aspire to enter the Medical, Dental, Veterinary, Pharmaceutical or Chemical industries. You should take Chemistry if you would like to study Engineering, Biology, Geology, Physics or Law, though it is not essential. You could take Chemistry to prove you have what it takes in a very demanding A-level course to support an Oxbridge entrance in any subject area. Chemistry MUST be complemented by Biology and Mathematics A levels if you wish to place in Medicine, Dental Medicine or aim to Oxbridge entrance for most scientific courses.</p> <p>Students of Chemistry are very strongly advised to take at least one of Mathematics or Physics in addition to Chemistry, to support development of mathematical skills. 20% of all credit across the three Chemistry exams is for chemical calculations and quantitative reasoning.</p>