



SUBJECT: Chemistry IB Higher

HEAD OF DEPARTMENT:

Dr F Wall

EXAM BOARD AND SYLLABUS NUMBER:

IBO / QAN: 60131779

SYNOPSIS OF CONTENT: The course comprises a central core of study for HL and SL including the following topics: Stoichiometry, Kinetics, Atomic structure, Equilibrium, Periodicity, Acids and bases, Chemical bonding, Redox, Energetic, Organic chemistry. Higher students undertake additional study for each topic. Students also study one extension module.	WHY STUDY THIS SUBJECT? Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. It is often called the central science as chemical principles underpin both the physical environment in which we live and all biological systems. Apart from being a subject worthy of study in its own right, chemistry is often a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science and environmental science. SELF STUDY ADVICE / USEFUL WEBSITES: http://www.chemguide.co.uk/ http://www.rsc.org/learn-chemistry/ https://www.youtube.com/user/richthornley/ videos
HOW IS IT ASSESSED? 3 externally assessed papers: Paper 1: 1 hour, 40 multiple choice questions 20%. Paper 2: 2 hrs 15 mins, short answer and extended response questions on the core and AHL material 36%. Paper 3: 1 hr 15 mins. Section A: a data-based and several short-answer questions on experimental work. Section B short answer and extended-response questions from one option. 24%. Internal assessment of an individual investigation which will involve practical work. 20%.	ADDITIONAL INFORMATION / CAREER OPPORTUNITIES Chemistry opens doors to a wide range of careers; great opportunities exist inside and outside the lab. As well as practical knowledge of the subject, chemistry students develop many other skills prized by employers such as problem solving, numeracy, communication, creativity and data analysis. http://www.rsc.org/careers/future/your-future-chemistry

	SPECIFIC MATRICULATION REQUIREMENTS Grade 6 in GCSE Chemistry or grade 66 in GCSE Combined Science: Trilogy, with Grade 6 in GCSE Mathematics
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