THE WORTHGATE SCHOOL
CANTERBURY

COURSE DESCRIPTOR

UFP CHEMISTRY

SUBJECT OVERVIEW

Chemistry is an important Science and relates well to all other Sciences and to Mathematics. Chemistry offers valuable training in many different skills such as communication, working with others and problem solving, which are essential in a wide range of professions. Students taking a Science course should seriously consider Chemistry as one of their options.

PRIOR LEARNING REQUIRED

An interest in, and a desire to study, Chemistry is essential. Students who are willing to spend time studying on their own will do very well and will enjoy the course. We aim to instil a deep interest in the subject, which can be maintained in courses of further education and beyond.
GCSE or equivalent
IELTS 5.5 or equivalent

EXAM BOARD

CGS

COURSE CONTENT

Year 1
MODULE 1: Foundations in Chemistry MODULE 2: Inorganic Chemistry MODULE 3: Organic Chemistry and Analysis MODULE 4: Physical Chemistry

ASSESSMENT

Formative assessment will take place approximately every six weeks, in the form of end of topic tests.
The final UFP grade is based on three exam papers, one in-class assessment, a Practical Exam and a coursework poster and presentation. Most exams will take place in May and June, apart from Paper 1 which takes place in January. Coursework is completed during the first half of the course and provides students with the opportunity to carry out research on a topic of interest.

Paper	Length of paper	Weighting
Paper 1 Basics of Chemistry	20 marks 30 minutes Multiple-choice paper	7%
Paper 2 Beyond the Basics of Chemistry	30 marks 45 minutes Multiple-choice paper	13%
Paper 3	90 marks 2 hours 15 minutes	40%

PART OF CATS GLOBAL SCHOOLS

	Short-answer and long-answer questions	

Coursework	Description	Weighting
1	Poster and Presentation Students will create a poster on a title they have chosen from a selection, then present this to the rest of the class	15%
2	Practical Exam	20%
3	Skills Assessment	5%

TEXTBOOKS/REVISION GUIDES

Title	ISBN	Author
Advanced Chemistry for You	978 -140-852736 -8.	Lawrie Ryan

OCR A level Chemistry	978-1-4718-2706-8	John Older and Mike Smith

Summaries of each unit, your notes and past examination papers will be your major source of revision. There are revision guides for both AS and A2. Kerboodle is a useful online resource. Revision guides and workbooks will be offered by your teacher at a discounted price.

HIGHER EDUCATION PATHWAYS

Chemistry opens a large range of career options as, together with the other sciences, it is important in industry, commerce, manufacturing, education, Pharmacy, Dentistry and professions allied to Medicine, as well as many other occupations.

Previous students have studied:

St Andrews University – Chemistry

University of Bath – Pharmacy

University of Dundee – Biochemistry

COMPLEMENTARY SUBJECTS OF STUDY

Biology, Psychology, Maths, Physics.

CURRICULUM DIRECTOR

Ms. Emma Lock