



# Post 16 Prospectus: CHEMISTRY

Advanced Subsidiary (AS) & Advanced Level (A2)  
Examining Board: OCR Syllabus: Salters Chemistry B

## Aim

The aim of the course: To develop an advanced knowledge of the fundamental concepts of Chemistry along with a range of practical skills through context based learning. Ideas are introduced in a spiral way with an emphasis on an investigational and problem solving approach.

## Course Content

AS Level (Stand-alone AS Exam)		Advanced Level (Decoupled Exam)	
1	Elements of Life	1	All AS topics along with:
2	Developing Fuels	2	The Chemical Industry
3	Elements From The Sea	3	Polymers and Life
4	The Ozone Story	4	Oceans
5	What's in a Medicine?	5	Developing Metals
		6	Colour By Design
AS ASSESSMENT		A2 ASSESSMENT	
Foundations of Chemistry (70 marks, 1 hr 30 min written paper) 50% of AS Level		Fundamentals of Chemistry (110 marks, 2hr 15min written paper) 41% of A Level	
Chemistry in Depth (70 marks, 1 hr 30 min written paper) 50% of AS Level		Scientific Literacy in Chemistry (100 marks, 2hr 15min written paper) 37% of A level	
		Practical Skills in Chemistry (60 marks, 1 hr 30min written paper) 22% of A Level	
		Practical Endorsement in Chemistry (On-going assessment over the two year course of practical skills) reported as a separate certificate.	

## SUBJECT ENRICHMENT

Visit to an industrial site during the summer term of year 1 and various opportunities to enter national and international Chemistry competitions.

## SUBJECT SPECIFIC ENTRY REQUIREMENTS

General entry requirement for Post-16: 5 grade 4/C at GCSE, preferably including English and Maths. Specific entry requirements: Grade 6 in GCSE Chemistry or Trilogy Science. Grade 6 in Maths.



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## A STUDENT PERSPECTIVE

### WHERE NEXT?

Most of our students go on to study science based degrees, including: medicine, veterinary science, dentistry, pharmacy, biochemistry, engineering and chemical engineering, natural sciences, chemistry, biology and physics: Examples of recent successes:

Student 1: Chemical Engineering at Cambridge A\* in chemistry

Student 2: Chemistry at Bath A\* in Chemistry

### STUDENT SUPPORT

- A peer-to-peer mentoring scheme, year 13 students help support and develop a small group of year 12 students
- Weekly drop-in sessions for students with specific queries
- Entries to a range of UK-wide competitions including the Chemistry Olympiad and The Cambridge Chemistry Challenge
- Good links with several chemistry lecturers at Bradford University including outreach projects such as spectroscopy in a suitcase
- Consistent track record of attainment - awarded ALPS level 3 or above for past 5 years