

A level Chemistry

Year 12 Modules

- Module 1 Development of Practical Skills
- Module 2 Foundations in Chemistry
- Module 3 Periodic table and energy
- Module 4 Core organic chemistry

Year 12 mocks are made up of 2 papers which assess the content from modules 1 - 4

Year 13 Modules

- Module 5 Physical chemistry and transition metals
- Module 6 Organic chemistry and analysis
- 3 exam papers end of year 13
- Paper 1 modules 1, 2, 3, 5 (2 1/4 hours)
- Paper 2 modules 1, 2, 4, 6 (2 1/4 hours)
- Paper 3 any content modules 1 6 (1 ½ hrs)



Module 1: Development of Practical Skills

 Skills of planning, implementing, analysis and evaluation are learnt through between 12 to 36 key practicals

- These skills are assessed in all of the final written examinations
- In addition, if you complete all skills successfully you will be awarded the 'practical endorsement'





Chemistry	Assessment Overview				
Content is split into 6 teaching modules					
Module 1	Development of Practical Skills	A Level Paper 1 - Periodic Table, Elements			
Module 2	Foundations in Chemistry	and Physical Chemistry			
Module 3	Periodic Table & Energy	A Level Paper 2 - Synthesis & Analytical Techniques			
Module 4	Core Organic Chemistry				
Module 5	Physical Chemistry & Transition Elements	A Level Paper 3 - Unified Chemistry			
Module 6	Organic Chemistry & Analysis				
Paper 1 assesses the content from Modules 1, 2, 3 and 5 Paper 2 assesses the content from Modules 1, 2, 4 and 6 Paper 3 assesses the content from Modules 1 to 6		A Level Practical Endorsement			

Bursaries for teaching (2023/24) – example that chemistry is an in demand subject area

Subject	Bursary	Scholarship
Art and design	£10,000	
Biology	£25,000	
Chemistry	£28,000	£30,000
Computing	£28,000	£30,000
Design and technology	£25,000	
English	£10,000	
Geography	£25,000	
Languages (French, German and Spanish only)	£25,000	£27,000
Languages (all other languages, including ancient languages)	£25,000	
Maths	£28,000	£30,000
Music	£10,000	
Physics	£28,000	£30,000
Religious education	£10,000	



Example that chemistry is an in demand subject area

Top 5 Subjects for Average Graduate Salaries

Rank	Subject	Professional Salary	Non-professional Salary
1	Dentistry	£30,432	
2	Chemical Engineering	£28,603	£17,187
3	Complementary Medicine	£28,259	
4	Medicine	£28,191	
5	Economics	£28,157	£18,132

Types of careers

- Medicine
- Dentistry
- Veterinary science
- Pharmacology
- Environmental Chemist
- Chemical Engineer
- Accountant/ Auditor / investment banking
- Forensic Researcher



- Medicine
- ODP (Operating department practitioner)
- Veterinary science
- Geology
- Sports science
- Forensic science
- Astrophysics
- Biology
- Pharmacology

Staff

- The course is taught by experienced teachers
- Mrs Boyle Head of Chemistry
 BSc (Hons), MSc, PGCE(M)
- Mrs Julian MBChB, PGCE
- Ms McCullar Head of year 10 BSc, PGCE

Requirements

 You need a minimum of grade 66 at GCSE Science including grade 6 in the Chemistry component

OR a 6 in GCSE Chemistry

- You need a minimum of grade 6 at GCSE Maths
- Students who do not gain a 6 in Maths will struggle with the style of questions, the complexity of language and the level of maths in A level Chemistry and may fail to gain a grade
- Like all A-levels, you must have a strong work ethic and lots of time available to study

Expectations

- Organisation folder
- Reading logs
- Homework
- Dedication
- Resilience
- Reflection
- Support sessions