

Chemistry

A-Level

Exam Board: OCR 



ENTRY REQUIREMENTS

7+

in GCSE
Biology

or

7-7+

In Combined
Science

6+

in GCSE
Maths and
English



SUBJECT OVERVIEW

Chemistry is the study of matter; its properties and how it interacts with energy. Chemistry can lead to many interesting career paths. Chemistry is viewed very favourably by top universities and employers and so it is very advantageous even if you decide not to follow a chemistry related degree. The A Level Chemistry course delves deeper into many of the topics covered in GCSE such as bonding, organic molecules and trends in the periodic table, allowing you to understand how substances behave at an even more complex level, whilst introducing you to new areas of Chemistry such as spectroscopy and enthalpy. Chemistry will not only develop your knowledge and practical skill set but it will enable you to enhance your analytical and problem-solving skills.

TOPICS/UNITS/MODULES

Development of practical skills

Foundations in Chemistry

Periodic Table and Energy

Core Organic Chemistry and Analysis

Physical Chemistry and Transition Elements

Further Organic Chemistry and Analysis

Skills Learnt


- Critical thinking
- Data Analysis and interpretation
- Research Skills
- Scientific Literacy
- Ethical awareness
- Technical skills
- Problem Solving


EXAMINATION/ASSESSMENT


37%

37%

26%

 Paper 1: Inorganic/Physical Chemistry

 Paper 2: Organic/Analytical

 Paper 3: Unified Chemistry

Careers

- Chemical Engineering
- Forensics and Toxicology
- Biochemistry
- Research
- Medicine
- Dentistry
- Veterinary Sciences
- Pharmacology