

# Spalding Grammar School Sixth Form

## *Subject Information*

## Chemistry

### Entry Requirement:

*Grade B in GCSE Chemistry or AA in GCSE Double Award Science. Grade 7 in GCSE Mathematics.*

### Awarding body: OCR

**About the subject:** A Level Chemistry will give you an exciting insight into the contemporary world of chemistry. It covers the key concepts of chemistry and practical skills are integrated throughout the course. This combination of academic challenge and practical focus makes the prospect of studying A Level Chemistry highly appealing. During the course you will learn about chemistry in a range of different contexts and the impact it has on industry and many aspects of everyday life. You will learn to investigate and solve problems in a range of contexts.

### A Level Chemistry offers:

- An interesting and challenging experience to link key chemical ideas and understand how they relate to each other.
- The development of transferable skills including investigating, problem solving, research, decision making, mathematical skills and analytical skills.
- A range of possibilities for further study and careers associated with the subject.

A Level Chemistry is an excellent base for a university degree in healthcare such as medicine, pharmacy and dentistry as well as the biological sciences, physics, mathematics, pharmacology and analytical chemistry. Chemistry is also taken by many Law applicants as it shows you can cope with difficult concepts. The problem solving skills are also useful for Law and Finance applicants. Chemistry can also complement a number of arts subjects. A range of career opportunities arise from studying chemistry, including careers in chemical, manufacturing and pharmaceutical industries and in areas such as forensics, environmental protection and healthcare. A Level Chemistry provides a challenging opportunity that opens many doors for you in the future.

### Assessment:

Course Overview	Assessment Overview	
Module 1 - Development of practical skills in Chemistry Module 2 - Foundations in Chemistry Module 3 - Periodic Table and energy Module 4 - Core organic Chemistry Module 5 - Physical Chemistry and transition elements Module 6 - Organic Chemistry and analysis	Periodic table elements and physical Chemistry (01) 100 marks (2 hours 15 minutes) written paper - Content from modules 1, 2, 3, 5	37% of total A level
	Synthesis and analytical techniques (02) 100 marks (2 hours 15 minutes) written paper - Content from modules 1, 2, 4, 6	37% of total A level
	Unified Chemistry (03) 70 marks (1 hour 30 minutes) - Content from all modules (1 to 6)	26% of total A level
	Practical endorsement in Chemistry (04) (Non-exam assessment)	Pass or Fail