

Chemistry

SCIENCE DEPARTMENT

Head of Department: Ms F Wright

Deputy Head of Department: Mr W Smith

Why choose the subject? The aims of the syllabus are to:

- ❖ present Chemistry as a coherent, but developing, body of knowledge, principles and theories linked by unifying concepts;
- ❖ develop students' appreciation of social, economic, environmental and technological contributions and the application of chemical knowledge stimulate and sustain students' interest in, and enjoyment of, Chemistry.

Who is eligible? Students who have a double science qualification should preferably have an A grade (or above), although those with a B grade will be considered. Students who have sat triple science awards should have a minimum of a B grade in Chemistry.

A LEVEL QUALIFICATION

Year 2017/2019 Advanced Level Award
Examination Board: OCR

Students study the OCR exam boards A Level Chemistry A specification

A Level Chemistry gives 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.

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.

Component 01

Periodic table, elements and physical chemistry 100 marks
2 hours 15 minutes written paper
37 % of A level

Component 02

Synthesis and analytical techniques (02) 100 marks
2 hours 15 minutes written paper
37 % of A Level

Component 03

Unified chemistry 70 marks
1 hour 30 minutes written paper
26% of A Level

Component 04

Practical endorsement in chemistry (non-exam assessment)

AS LEVEL QUALIFICATION

Year 2017/18 Advanced Subsidiary Award
Examination Board: OCR

Students study the OCR exam boards AS Level Chemistry A specification.

The content is divided into four teaching modules and each module is further divided into key topics.

The four teaching modules are:

Module 1 - Development of practical skills in chemistry

Module 2 - Foundations in chemistry

Module 3 - Periodic table and energy

Module 4 - Core Organic Chemistry

Component 01

Breadth in Chemistry 70 marks
1 hour 30 minutes written paper
50% of total AS level

Component 02

Depth in Chemistry 70 marks
1 hour 30 minutes written paper
50% of total AS level

STUDENT VIEW

Chemistry



Why choose Chemistry? Having studied Chemistry for the past year, it has turned out to be an interesting and fascinating subject. Lessons are a mix of theory and practical experiments, some have even involved dangerous chemicals in the fume cupboard! The teachers are enthusiastic chemists who support and motivate us even when faced with challenges. They can answer any questions you have – even if you think it sounds silly, (trust me, I've been there!). There's always something new to learn and you will not regret choosing Chemistry as one of your options.

Katy Packer