

# A-Level Chemistry

EXAM BOARD: OCR A

## What does the course cover?

Chemistry A is a content-led approach. Teaching of practical skills is integrated with the theoretical topics and they're assessed both through written papers and, for A-Level only, a teacher-assessed Practical Endorsement. The course provides:

- Essential knowledge and understanding of different areas of the subject and how they relate to each other
- A deep appreciation of the skills, knowledge and understanding of scientific methods
- Competence and confidence in a variety of practical, mathematical and problem solving skills

The specification is divided into topics, each covering different key concepts of chemistry:

- 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

## What skills will the course help you develop?

Chemistry brings a lot of scientific theory and thinking together, and a good A-Level grade in the subject demonstrates that a student can apply themselves in analytical thinking, practical skills and scientific writing; all of these qualities are highly prized in today's competitive job market.

## How is the course assessed?

In AS Chemistry, Modules 1-4 are assessed while all modules are assessed at A-Level chemistry. At AS you are assessed in two key areas: Breadth of Chemistry and Depth of Chemistry in separate papers. In the full A-Level these two skills are assessed throughout and there is an additional synoptic paper. Practical work is only assessed at A-Level by the teacher as Pass/Fail.

## What are the entry requirements?

Students wishing to study Chemistry will need a minimum of 5 GCSEs A\*-C, including two Science GCSEs at grade B or higher and grade C or higher in English and Maths.

## What do students who study this course go on to do?

Chemistry is essential for many higher education courses, for example, chemical engineering, chemistry, medicine, dentistry, food science, materials science, pharmacology, veterinary science and teaching.

## Who is the staff contact for Chemistry?

Mr Bridge