



What will I learn?

Chemistry is the study of the elements and their compounds. It is a science subject, so practical work is an important part of the course. The aims of these courses are to encourage you to:

- develop an interest in, and enthusiasm for Chemistry, including developing an interest in further study and careers in Chemistry
- appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of *How Science Works*
- develop essential knowledge and understanding of different areas of Chemistry and how they relate to each other

Highlights

As well as the opportunity to enter the Royal Society of Chemistry's Olympiad in Year 13, we also enter the Cambridge Chemistry Challenge in Year 12.

What are the recommended entry requirements?

It is expected that you will have studied either Combined Science or Chemistry GCSE, preferably obtaining at least a grade 7. A grade 7 in Mathematics at GCSE is also recommended.

Other subjects that would go well with Chemistry at A-Level are Biology, Physics and Mathematics. However, many other combinations of subjects are also suitable.

How will I be assessed?

This subject has six modules of Assessment. To get a certificate for A-Level Chemistry GCE, you will need to have been assessed on your performance in all 6 modules, as well as completing a Practical Endorsement which replaces A-Level coursework. The modules are as follows:

Module 1: Development of practical skills

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

Assessment for the A-Level will comprise of three written papers:

Paper 1 assesses content from Modules 1, 2, 3 and 5

Paper 2 assesses content from Modules 1, 2, 4 and 6

Paper 3 assesses content from all six modules.

What are the costs?

None

Future Opportunities

With a qualification in Chemistry you could go on to Further or Higher Education, studying Chemistry or one of the other sciences or related subjects, or work in science-based industry such as chemical engineering, materials science or biotechnology. It is essential for the medical field, pharmacy and environmental science. Chemistry is also a well-respected subject in its own right and suitable for entry into a wide range of professions.