

Chemistry



OCR A-Level

Overview

Chemistry is a versatile and stimulating subject. It is the study of the material world that we live in. Chemistry is the study of the fundamental particles that make up the world– the building blocks of all matter– atoms and elements.

Aims

- ▶ To develop attitudes relevant to Chemistry such as accuracy and precision, objectivity, integrity, enquiry, initiative and insight.
- ▶ To appreciate the contributions of Chemistry to society and the responsible use of evidence.

Grade Requirement

Chemistry is a theoretically demanding subject. Students must gain 'AA' grades in Double Award Science or 'BBB' in Triple Award Science, with a 'B' grade at GCSE Maths and English Language. You must have at least 5 A*-C grades, too

Complementary Subjects

Chemistry provides overlap with other A level specifications, particularly Biology and Physics. The specification in Science emphasises links between Chemistry and related subjects such as Biology and Geography.

AS-Level

Atoms, Bonds and Groups

Chains, Energy and Resources

Practical Skills 1

A2-Level

Rings, Polymers and Analysis

Equilibria, Energetics and Elements

Practical Skills 2



Chemistry is a versatile and stimulating subject. It is the study of the material world that we live in. Chemistry is the study of the fundamental particles that make up the world– the building blocks of all matter– atoms and elements. Why do atoms react together? Why are some reactions so explosive and how can I turn lead into gold?

Chemistry will help students to become confident citizens in a technological world, able to take or develop an informed interest in matters of scientific import. Applicants will develop abilities and skills that are relevant to the study and practice of chemistry, are useful in everyday life and encourage the presentation of information and ideas appropriate for different audiences and purposes. Crucially, applicants will develop attitudes relevant to Chemistry such as accuracy and precision, objectivity, integrity, enquiry, initiative and insight and develop an understanding of the link between theory and experiment.

Chemistry is a demanding but also extremely rewarding subject. You must be prepared to be disciplined and work hard. Studying Chemistry is like putting a jigsaw puzzle together– only after you place the last piece does the picture truly unfold all its beauty. So, like putting a jigsaw puzzle together, you need a lot of patience, logical thinking and endeavour.

Chemistry at Advanced GCE is a prerequisite for many courses in Higher Education and for many areas of employment. It is also a long-established and respected qualification that can allow progression into a number of career areas such as medicine, biochemistry, chemical engineering and others. Study of Chemistry to AS GCE or Advanced GCE should also be seen as improving the education base of the population as a whole and as making a contribution towards life-long learning.

