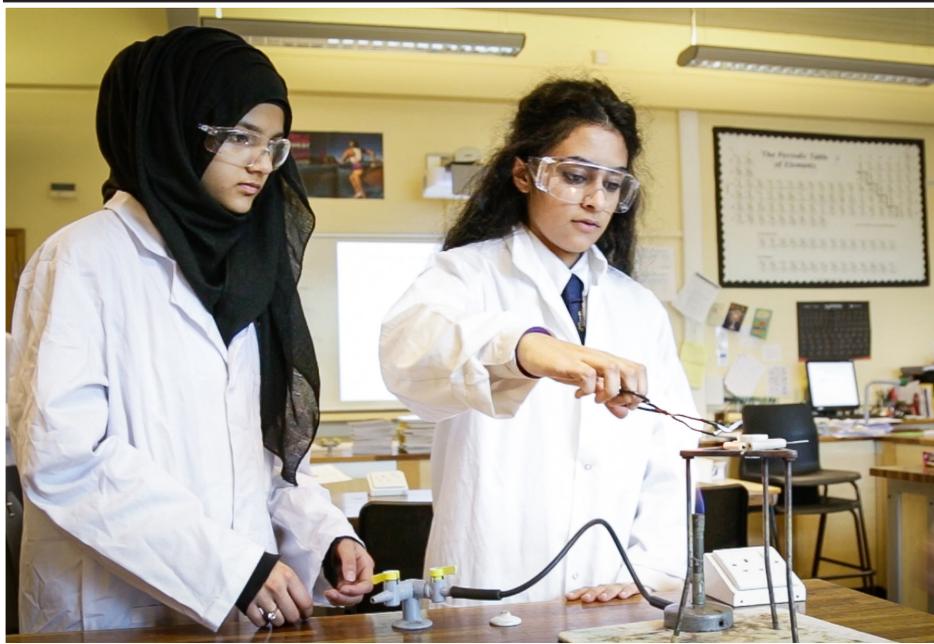


Chemistry



About the Subject

We follow the OCR Chemistry A Level course. Chemistry is the science which looks at how all matter is composed, what its properties are and how it reacts and interacts with other matter. It is the understanding of how reactions can be used to form new substances, how easily and quickly they can be made and how you can analyse and identify them.

At A Level, we teach Chemistry with four aims in mind:

- Development of the student who wants a Chemistry career
- Development of the student whose career demands a high Chemistry grade (e.g. Doctor, Dentist, Pharmacist, Chemical Engineer, Specialist material designer i.e. Sports)
- Development of the student who wants to know more about how our world works
- Development of the student who just loves the subject and simply wants to know more

Course Content

Throughout the AS/A-level Chemistry course Module 1, a practical based course will be taught. This will be examined within written examinations and also internally assessed within the Practical Endorsement section of the A Level.

AS Chemistry - The content in these modules builds on your GCSE knowledge but also introduces new content which will start to deepen your understanding of the chemical world, including topics such as 'The periodic table and periodicity', Qualitative analysis and Organic Synthesis'.

A Level Chemistry - There are additional modules for the A Level. These modules expect even greater depth and understanding of chemistry. They move away from the recall of knowledge which was relied on heavily at GCSE and somewhat as AS level, and really test your ability to adapt to new situations and problems. The course is assessed by examinations covering content from all six modules. These modules require a good level of analytical skill, mathematical ability and problem solving.

Entry Requirements

To begin the course we expect you to have at least a B in GCSE Chemistry (Separate Science) or a B in Additional Science at the Higher Tier. You must also have an average of a B grade in your best 8 subjects, including GCSE English and Maths.

Career Paths

Chemistry is sometimes described as the "hidden science" in that its work is not always recognised but its influence is felt in every aspect of our lives. Clothing; food; fuels; building materials; cosmetics (from simple cleaning materials to expensive perfume); plastics; recycling; medicines; new technologies - these have their development rooted in Chemistry.

Watch our Video

At vimeo.com/110882737 or scan this QR code:

