

CHEMISTRY

A qualification in Chemistry opens doors to a wide range of careers. Chemistry is involved in our everyday lives and there is a vast range of jobs and careers open to those who have studied chemistry at any level; great career opportunities exist both inside and outside the laboratory. Nobody knows what the jobs of the future will look like but many of them will be created in chemistry to solve global challenges such as human health, energy and the environment.

Not all chemists wear white coats!

As well as practical knowledge of the subject, chemistry students develop many other skills prized by employers, such as problem solving, numeracy, communication, creativity and data analysis. Gaining these skills means that you can have a future in all sorts of careers from finance to public relations.

Your future in chemistry

Global change is creating enormous challenges relating to human health, energy and scarce natural resources. These challenges offer excellent future opportunities to people who study chemistry.

Energy and the environment

Chemistry is helping us to cope with increasing pressures on energy, food, water and other scarce natural resources and to live more sustainably.

Human health

Chemistry is helping to improve and maintain human health for all in a rapidly changing world.

***Medicinal Chemist** – I am part of the lab-based early stage drug discovery process.*

***Cancer Research and Science Communicator** – I research into breast cancer and also blog and broadcast on science.*

Lifestyle and recreation From skincare to sport chemistry is all around us.

Something different

Love chemistry but have no idea what to do with a chemistry qualification? Here's a range of people who use their chemistry skills and knowledge in unexpected ways.

***Policy Advisor:** I help communicate about science for the government at home and abroad.*

***Tax Accountant:** My job is about minimising a company's tax liabilities within the boundaries of tax regulations.*

***Investor Relations Manager:** I communicate company results, strategy and plans to shareholders, employees and management.*

***Freelance Science Publicist:** I look into what is going on at an organisation or an event to find a good story for the media.*

Subject specific entry requirements

Science: minimum of 'B' grade in GCSE Chemistry or 'BB' at Dual Science

Mathematics: minimum of 'B' grade in GCSE

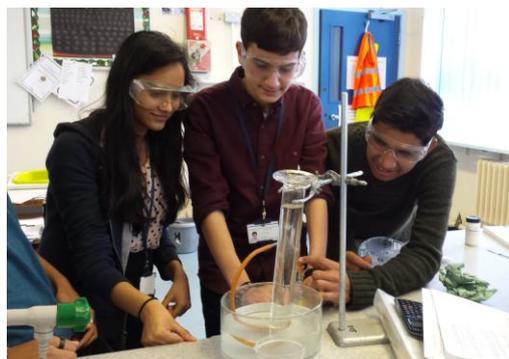
Useful subject entry requirements: A grade 'B' or above in English

To progress on to A2, preference will be given to students with a minimum of a grade 'D' at AS Chemistry.



Chemistry outside the Classroom

The ethos of the department is that learning should not be confined to the classroom/school laboratory. We seek opportunities for our students to experience different forms of learning outside school and more importantly to work with other departments, gaining skills that will maximise their potential. Here are some of the enrichment activities we organise: Chemistry Olympiad Competition (Years 12 & 13) - Lectures at universities including UCL and Imperial College, London - Spectroscopy Day – UCL & Imperial Vision & POTMED – Conference for prospective medical students, Imperial College Medical School - University taster days -Royal Society Summer Exhibition, Chemistry/Materials Workshops – Oxford University



Specifications-Exam Board

As from September 2015 there will be a new structure to the assessment of post-16 Chemistry for all exam boards. The Chemistry department is currently examining the structure and resources available in all the major exam boards. Unfortunately, we are still awaiting OfQUAL accreditation of one of the specifications. A decision will be made by mid February as to which exam board will be most suited for both our students and teaching expertise at Claremont. We are currently offering the Edexcel Specification. All prospective students in our 6th Form will be sent a notification in due course about our final decision.

Key Changes in Teaching and Assessing of KS5 Chemistry from September 2015:

1. Assessment will be mainly by exam, with other types of assessment used only where they are needed to test essential skills.
2. Practical assessments have now been removed.
3. AS and A levels will be assessed at the end of the course. AS assessments will typically take place after 1 year's study and A levels after 2. The courses will no longer be divided into modules and there will be no exams in January.
4. AS and A levels will be decoupled – this means that AS results will no longer count towards an A level, in the way they do now.
5. AS levels can be designed by exam boards to be taught alongside the first year of A levels.
6. The content for the new A levels has been reviewed and updated. Universities played a greater role in this for the new qualifications than they did previously

