

Chemistry

Careers

Many students who have studied Chemistry have gone onto such degree courses as: accountancy, law and teaching. It is essential to study this subject if you wish to follow higher education courses in medicine, veterinary science, pharmacy and a wide range of chemistry/biochemistry courses.

Entry Requirements

6 x Level 9 to 4 GCSE passes including a 4 in English Language and a 6 in Maths as well as a 6 in Chemistry or 6/6 in Combined Science.

Chemistry impacts on all facets of our lives and an understanding in this subject is essential to comprehend other scientific subjects such as astronomy or zoology. Chemistry is concerned with all aspects of molecules, their physical and chemical properties, their composition and structure, their synthesis and use in the 21st century. This is a demanding yet popular subject with A Level students. Studying Chemistry requires a high level of dedication and it is essential that students read around the subject for a better understanding of the subject material.

A Level

Chemical calculations, Organic Chemistry (alkanes, alkenes, reaction mechanisms), Bonding, Ionic Equations, Equilibrium, Inorganic Chemistry, The Periodic Table, Spectroscopy, Energetics, Transition Metals, Kinetics, Redox, Modern Analytical Techniques, Halogens, Alcohols, Entropy, Chirality, Arenes and Organic Synthesis.

“We think there is colour, we think there is sweet, we think there is bitter, but in reality there are atoms and a void.”

Democritus, C. 460BC- 370BC