

AS / A LEVEL CHEMISTRY

Entry requirements - 5 A-C at GCSE. At least double B in Additional Science or a double A in Applied Science and at least a grade C in Maths.

At AS we introduce the principles that underline chemistry and develop investigative and practical skills. Students will study Atomic Structure, amount of substance, bonding, periodicity and alkanes energy changes associated with reactions, kinetics, equilibria, redox reactions, halogens, group 2 metals, extraction of metals, haloalkanes, alkenes, alcohols and analytical techniques.

At A2 the quantitative analysis of chemical reactions is introduced and again develops the practical aspects of these topics. Students will study Kinetics, equilibria and further organic chemistry along with Energetics, Redox and Further Inorganic Chemistry. Additionally, you will complete a practical skills assessment and ISA each year.

During the two years there will be opportunities to experience Chemistry in higher education with trips to leading universities.

Advanced Chemistry is essential to enter a degree in medicine, dentistry and veterinary science as well as all other chemical science courses.

Chemistry graduates are highly sought after and can choose from career paths as diverse as law, marketing and accountancy, in addition to following a traditional science-based vocation.

