

CHEMISTRY

A Level

COURSE CONTENT

There are four strands which make up the course content for Chemistry. Physical Chemistry looking at rates of reaction, catalysts, energy changes in reactions and how scientists can use reactions.

Inorganic Chemistry studying Transition metals, the compounds they form, why they form them and what uses they have for all sorts of people.

Organic Chemistry, the Chemistry of Carbon-based compounds including fuels and medicines, how they are made, making them ourselves and working out how to make them quicker to successfully achieve more product.

Practical Chemistry including all of the topics above and learning practical Chemistry skills for Apprenticeships, University and Employment

ASSESSMENT CRITERIA

100% examinations in the summer of Year 13 with Required practical experiments every few weeks.

EXTRA-CURRICULAR OR ENRICHMENT OPPORTUNITIES

Trips to universities and conferences on careers using Chemistry including Medicine, Dentistry, Veterinary Medicine, Engineering.

FUTURE OPPORTUNITIES

Chemistry is a required subject for Medicine, Dentistry, Veterinary Medicine, Chemistry and a very highly regarded A level subject. Chemistry combines experiments with theory and mathematics and is suitable anyone who enjoys science experiments and maths work who achieves the necessary grades.

PRIOR KNOWLEDGE

Essential: GCSE Science and GCSE Maths

