



A LEVEL CHEMISTRY

WHAT DO I NEED TO STUDY THIS COURSE?

The entry requirements for this course are 5 GCSEs at grade 5 or above including Maths and English Language, as well as either a 6-6 or above in Combined Science, or a Grade 6 or above in Chemistry.

IS THIS COURSE FOR ME?

This course is for you if you are keen to understand more about how chemistry affects the world around us. The course provides you with an opportunity to not only build on knowledge and skills already acquired in GCSE Chemistry, but also develop a wide range of new practical skills.

WHERE WILL THIS COURSE TAKE ME?

An A level in chemistry can take you down a large number of pathways. Chemistry can lead to most STEM (Science, Technology, Engineering and Maths) careers, and is a particular important subject for careers in medicine, environmental science, engineering, toxicology, developing consumer products, metallurgy, developing perfumes and cosmetics, pharmaceuticals and scientific research.

WHAT WILL I LEARN?

Chemistry is split into 3 main topics:

- Physical Chemistry: Atomic Structure, Amounts of Substance, Bonding, Energetics, Kinetics, Equilibria, Rates of Reaction, Thermodynamics, Acids and Bases
- Inorganic Chemistry: Periodicity and Transition Metals
- Organic Chemistry: Alkanes, Alkenes, Halogenoalkanes, Alcohols, Organic Analysis, Isomerism, Carbonyl Compounds, Aromatic compounds, Polymers and Biological molecules.

HOW WILL I BE ASSESSED?

You will be assessed with three exams:

- Paper 1 (2 hours, 105 marks, 35% of the A-level): Physical and Inorganic chemistry
- Paper 2 (2 hours, 105 marks, 35% of the A-level): Physical and organic chemistry
- Paper 3 (2 hours, 90 marks, 30% of the A-level): Practical techniques and data analysis.



FURTHER INFORMATION

See Mrs Booth