(AQA) - A Level

CHEMISTRY

A Level Chemistry takes an experimental approach that allows students to link theory with reality. The subject will build on your knowledge gained at GCSE to further develop your understanding of fundamental concepts to help explain the world around us.

FUTURE OPPORTUNITIES

Chemistry continues to provide career opportunities in a wide range of careers including medical related careers, material Science and nanotechnology, as well as food related careers and analysis. Chemistry is a stepping stone for many Science linked courses. Not only does the course teach you key content for these but it also teaches transferable skills such as resilience, problem solving, analytical and team working skills.

ENTRY REQUIREMENTS

GCSE:

A 6 or above in GCSE Chemistry or Combined Science (Higher). Students need at least a 5 in Maths and a 4 in English. Studying A Level Maths alongside is strongly recommended.

CONTACT:

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COURSE CONTENT & ASSESSMENT

AQA's A Level in Chemistry has been designed to be relevant to the real world and allow you to develop key problem-solving skills. It will provide you with opportunities to independently complete practical work to support understanding. Throughout the qualification you will study the 3 main areas of chemistry:

- Physical chemistry, which covers key areas including reaction rates, equilibria, energetics, acid and bases and the chemistry of batteries.
- Inorganic chemistry, which covers topics such as periodic trends, groups on the periodic table, transition metals and REDOX reactions.
- Organic chemistry, which covers the chemistry of carbon compounds including naming organic compounds, isomers and the studying of different homologous series including alkanes, alkenes, amines, alcohols, carboxylic acids as well as amino acids and polymers.

EXAMINATIONS Year 12

- **Practical endorsement assessing practical skills in 6 practical activities**

EXAMINATIONS Year 13

- **Paper 1 (120 minutes) assesses physical and inorganic chemistry content and relevant practical skills: 35% of A level.**
- **Paper 2 (120 minutes) assesses physical and organic chemistry content and relevant practical skills: 35% of A level.**
- **Paper 3 (120 minutes) assesses all content and practical skills: 30% of A level.**