Chemistry

Why choose Chemistry: Chemistry is an exciting subject. There are few things in our modern world that are not either directly or indirectly linked to Chemistry; from the making of new materials to understanding biological systems, from the food we eat to the medicines which keep us healthy, and from the quality of the water we drink to keeping the air we breathe pure.

Future Prospects: The chemical and allied industries - fuels, pharmaceuticals, fragrances - are the most important manufacturing industries to the UK economy, recording trade surpluses of more than £4 billion each year. These industries employ large numbers of chemists in research, development, sales, marketing and management. The intellectual training obtained in studying Chemistry is also ideal for a career in areas not directly related to chemical sciences.

Looking to university, chemistry is essential for anyone wishing to study chemistry, medicine, pharmacology and dentistry. It is recommended for any student wanting to study biology, biotechnology, forensic science or genetic studies. A-level Chemistry is highly respected and is recognised as an excellent qualification for anyone wishing to study non-scientific subjects including law and economics.

"Chemistry is live" – Elvis Muja Yr 13

Entry Requirements: There are plenty of mathematical calculations in chemistry, as well as some long answer questions on the exam. Your GCSE's must therefore include:

- Maths: B
- English: B
- BB in Double Award GCSE Science or BBB in Triple Award GCSE Science.

What I will learn on this course: Over the two years of this challenging and demanding course you will study chemistry in a contemporary context. You will be involved in a wide range of practical and theoretical work developing your understanding of the relevance of science beyond the laboratory and gaining practical and data analysis skills you will need to study science at higher levels.

You will study aspects of chemistry that are often in the media and affect our lives. It is important that students have the necessary knowledge and understanding to explain many different aspects of the world around them through contemporary chemistry. These areas include: climate change, green chemistry, pharmaceuticals and chemistry research.

The qualification covers the fundamental key concepts of chemistry needed for progression into higher education and employment. The course has been streamlined to allow you enough time to study the units in depth and ensure an enjoyable teaching and learning experience.

Why Choose Chemistry at Highbury Grove: If you chose to do Chemistry at HGS all lessons will take place in a lab and we will aim to do at least one practical a week.

Course Outline: Over the two years of this challenging and demanding course you will study chemistry in a contemporary context. You will be involved in a wide range of practical and theoretical work developing your understanding of the relevance of science beyond the laboratory and gaining practical and data analysis skills you will need to study science at higher levels.

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"I had great fun planning and doing my own investigation."