Chemistry

CANNOCK CHASE HIGH SCHOOL
ACHIEVEMENT FOR ALL

Course: A Level Chemistry

Entry Requirements**:** A grade 66 or above in combined science/separate sciences and a strong grade 6 or above in Maths. If students are not studying A Level Maths they may be required to take Core Maths as their enrichment subject to supplement their learning.

Aims of the Course**:**
Chemistry is a subject of global importance. As one of the fundamental sciences it has a profound effect on our planet and is involved in nearly every facet of everyday life. Almost every new technological change and important discovery has its foundation in chemistry. The aims of these specifications are to encourage candidates to: develop their interest in, and enthusiasm for chemistry, including developing an interest in further study and careers in chemistry; appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

Course Content**:**

- Formulae, Equations and Amounts of Substance
- Atomic Structure
- Bonding and Structure
- Energetics and Kinetics
- Equilibria
- Redox
- Inorganic Chemistry and the Periodic Table
- Organic Chemistry
- Modern Analytical Techniques

Assessment:
A Level: Content from the two years of study will be assessed. Students will sit three examinations at the end of the two years. These exams will test content, application and breadth of understanding of practical science and science in society.

Coursework/Practicals:
There is no coursework aspect to this qualification. However, students will have to complete a selection of twelve specified practicals that they will get a separate pass/fail result from; these practicals will be referred to in question papers.

Career Opportunities:
Chemistry is a very useful subject to study. It offers a fantastic range of opportunities such as careers in health care such as doctors, dentists, nurses, pharmacist and other careers such as Environmental Management, Forensic Science, Biomedical Science, Food Science, Chemical engineers to name but a few.

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