Science

A-Level Chemistry

Subject Chemistry

Exam Board OCR

Specification Numbers H432

Teacher Responsible Mr Heaton/Mr Day

Introduction Generally speaking, Chemistry is divided into two areas, organic and inorganic. Over the two years studying Chemistry, students will be exposed to the skills found in both that will allow them to identify and synthesise a range of chemicals, some of which are fundamental to our everyday lives.

Aims of the Course Over the course, students will develop an understanding for the mechanisms, skills and practical techniques that are present with the discipline by touching on the following topics:

AS modules
- Development of Practical Skills
- Foundations in Chemistry
- Periodic Table & Energy
- Core Organic Chemistry

A2 modules
- Development of Practical Skills
- Foundations in Chemistry
- Periodic Table & Energy
- Core Organic Chemistry
- Periodic Table, Elements & Physical Chemistry
- Synthesis & Analytical Techniques
- Unified Chemistry

How You Are Assessed The course is linear, so assessment of a student's knowledge takes place at the end of Year 13:
- Paper 1 (Periodic Table, Elements & Physical Chemistry): 135 minutes, 37% weighting
- Paper 2 (Synthesis & Analytical Techniques): 135 minutes, 37% weighting
- Paper 3 (Unified Chemistry): 90 minutes, 26% weighting

Students will also carry out a practical endorsement that is done internally, where they must complete a number of practical activities to demonstrate certain skills.

Links to Future Careers Potential careers involve those in healthcare such as medicine, pharmacy and dentistry, but the course is also extremely useful in careers in the biological sciences, physics, mathematics, pharmacology and analytical chemistry. Chemistry is also taken by many law applicants as it shows you can cope with difficult concepts.

Entry Requirement
Minimum of a Grade 6 in GCSE Chemistry or Grade 6-6 in GCSE Combined Science
Grade 5 in GCSE Mathematics and Grade 4 in English (preferable)