

EXTRA ENTRY REQUIREMENTS

At least a grade 6 in GCSE Chemistry and Mathematics and a grade 5 in English.

OR

At least grades 6 and 6 (i.e. combined score of 12) in GCSE Trilogy Science, a 6 in GCSE Mathematics and a 5 in English.

WHO DO I SEE FOR MORE INFORMATION?

- Mr M. Tibbits, Head of Chemistry.

CHEMISTRY

WHAT WILL I STUDY AND LEARN?

You will study a wide range of topics throughout the course including Inorganic, Physical and Organic chemistry.

Topics in Year 1 Chemistry include:

- Physical chemistry topics: Atomic Structure; Chemical Bonding; Amount of Substance; Energetics; Kinetics; Equilibria and Redox Reactions.
- Organic chemistry topics: Nomenclature; Mechanisms; Alkanes & Halogenoalkanes; Alkenes & Alcohols; Chemical Analysis Techniques.
- Inorganic chemistry topics: Periodicity; Group 2 and Group 7 Elements.

Topics in Year 2 Chemistry include:

- Physical chemistry topics: Thermodynamics; Rate Equations; Electrochemistry; Acids, Bases & pH.
- Organic chemistry topics: Carbonyl Chemistry; Arenes and Amines; Polymers; Biochemistry; Organic Synthesis.
- Inorganic chemistry topics: Period 3 Elements; Transition Metals & Ligands; Metal-Aqua Ion Chemistry.

HOW WILL CHEMISTRY HELP ME?

Chemistry is an essential choice of subject for those considering following courses and careers in Medicine, Dentistry and Veterinary Science. It is strongly recommended for those who wish to go on and study Biochemistry, Biology, Chemical engineering, Material Science, Astronomy, Food Science, Forensic Science, Engineering and many related courses and careers.

