Subject Information

A Level Chemistry

In the first year we'll develop your A level understanding and give you a clear foundation to this higher-level study. You'll learn about physical, inorganic and organic chemistry. You will also undertake a series of practical's to develop your skills. In the second year you will take the foundation topics and study them in further depth. Topics will include thermodynamics, rate equations, aromatic chemistry and synthesis. You will also have the opportunity to further develop your practical skills and learn how to problem solve and interpret data. This course will teach you problem solving, teamwork, numeracy, communication and practical skills, as well as hugely valuable independent study and reasoning skills. Our purpose built laboratories are well equipped and maintained providing you with a state of the art learning environment.

Course structure:

The topics studied in A-level chemistry are split into three areas: physical, organic and inorganic chemistry.

Examination:

3 examination papers and 12 core practicals.

- Paper 1: Advanced Inorganic and Physical Chemistry - 1 hr 45 mins (30%)
- Paper 2: Advanced Organic and Physical Chemistry - 1 hr 45 mins (30%)
- Paper 3: General and Practical Principles in Chemistr y- 2 hrs 30 mins (40%)

Entry requirements:

Minimum GCSE grade 6 in Chemistry (or 6-6 in Combined Science) and minimum grade 6 in Maths.

Location:

Cinderford Campus

This course prepares you for a career in:

- Pharmacy
- Pharmacology
- Chemical Engineering
- Biochemistry
- Biomedical Sciences
- Medicine
- Veterinary medicine
- Dentistry.

It will help build logical thinking and problem solving skills that will be vital to any future career in areas such as Business, Management, Industry or Research.