Prince Henry's Grammar School

SIXTH FORM

Chemistry

Course Leader: Mrs S Richards

Why Study Chemistry?

Chemistry allows you to develop a range of generic skills requested by both universities and employers. A successful A Level Chemistry student will be an effective problem solver and be skilled at communicating efficiently. You will build a range of practical skills that require creativity and accuracy as well as developing a firm understanding of health and safety issues. Chemistry is a subject in which much learning stems from experimental work, so you will need to work effectively as part of a group, developing team participation and leadership skills.

Course Content and Assessment

The A Level Chemistry course is split into 6 units.

During Year 12, three modules will be covered. The final two modules are taught in Year 13. Throughout the two-year course, Module 1: Development of Practical Skills, will be taught alongside the five theory modules and can be assessed in all examination papers.

Assessment is through three examination papers at the end of the A Level course. Students may also be awarded an A Level Practical Endorsement which will be reported on separately to the examinations.

The course offers an innovative approach to teaching and learning in which chemical principles are developed through modern applications of Chemistry. Activities provide practical work as well as many other types of activities including research, group discussion and applications of ICT.

The content is chosen to provide a balanced and coherent study of Chemistry, in which chemical principles are developed, revisited and reinforced throughout the course. Examples of the use of basic chemical principles are drawn for modern applications of Chemistry, in industry, in everyday life and in the environment.

Progression Routes

A Level Chemistry provides an excellent preparation for further study at university. UK higher education institutions currently offer over 200 courses where Chemistry is the primary subject. Often these courses can include an additional year's study, either in industry or at a university abroad. Some courses can include study in other related areas. Examples include Chemistry with Medicinal Chemistry, Chemistry with Forensic Science and Toxicology and Chemistry with Pharmacology.

Entry Requirements

You should have studied science to GCSE at Higher Tier and will have attained at least a 6,6 in Trilogy Science or at least a 6 in triple science: Chemistry. In order to cope with the increasing mathematical demands in the new A Level Chemistry course, students should have preferably gained a grade 7 in Mathematics at GCSE.