6th form

CHEMISTRY

Course Level

A Level

Awarding Body

AQA

Entry Requirements

Triple Science – Grade 6 in Chemistry
Trilogy Science – 2 x Grade 6
Maths – Grade 5

Assessment

Practical Endorsement in Chemistry (non-exam assessment)

12 compulsory practical coursework activities – pass/fail)

The A level consists of three written 120-minute papers assessing all content from both years of teaching.

This course will try to give students the skills and understanding to determine the way Chemistry affects their everyday life by applying concepts into contemporary areas of Chemistry including: climate change, green Chemistry, pharmaceuticals and Chemistry research.

· Development of practical skills
· Foundations in Chemistry
· Physical Chemistry
· Organic Chemistry
· Inorganic Chemistry

To be suitable, students need to:

· Have an interest in and enjoy Chemistry
· Want to find out about how things work in the real world
· Enjoy applying your mind to solving problems

Trips

There are 3 planned trips for Chemistry. First one is A level Live Show in London, which gives opportunity to students to meet scientists and they will share their interesting works with them. They will also have opportunity to listen AQA examiners for some exam tips. Second trip is University of Bath -Spectroscopy Workshop trip. This amazing trip gives students the opportunity to work in real lab environment with scientists. They analyse the unknown substances using different spectroscopies. Students cover spectroscopy in school however they don't have opportunity to use the actual machine. This gives them the opportunity use it in real life. Third trip is the career fait to Chelmsford, meeting different STEM companies and getting contacts, widening their knowledge on different career paths.

Career and Progression Opportunities

Whilst many job opportunities specifically using Chemistry require higher qualifications, most laboratory-based jobs benefit from a Chemistry qualification, for instance Dental Assistant or Veterinary Assistant. 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
· Chemistry with Pharmacology

Over 500 additional courses contain a notable element of Chemistry as well as allowing a degree of breadth of study. These include:

· Chemistry and Sports Science
· Chemistry and Politics
· Chemistry with Computer Science

In addition, a number of other courses either specifically require or find it desirable to have a GCE in Chemistry. These include courses such as Chemical Engineering, Medicine, Veterinary Medicine, Biological Sciences, Environmental Science, Pharmacy and Dentistry.