Chemistry A Level

HAVE you ever wondered; “How do fireworks work?”, “Where does medicine come from?”, “Why is everyone going on about global warming and the ozone?”. Come and find out with this real world, application of knowledge based course.

The structure of the course is designed to promote a love for Chemistry through developing the essential key skills required by the scientists of the future.

Key skills required and developed
Basic and applied maths, data interpretation, problem solving, note taking, research, communication, teamwork, measurement, analysis, evaluation, observation, time management.

Support and guidance given throughout course
Books, folders, lab reports are monitored on a weekly basis with feedback and improvement questions given. All lesson materials are uploaded to Google Classroom and students are encouraged to review these regularly. All Chemistry teachers encourage students to make use of the ’open door’ policy. As A Level students, your teachers expect you to come and ask for help whenever you need it!

What will you study?

Content is in six modules:

Development of practical skills in chemistry

Foundations in chemistry

Periodic table and energy

Core organic chemistry

Physical chemistry and transition elements

Organic chemistry and analysis

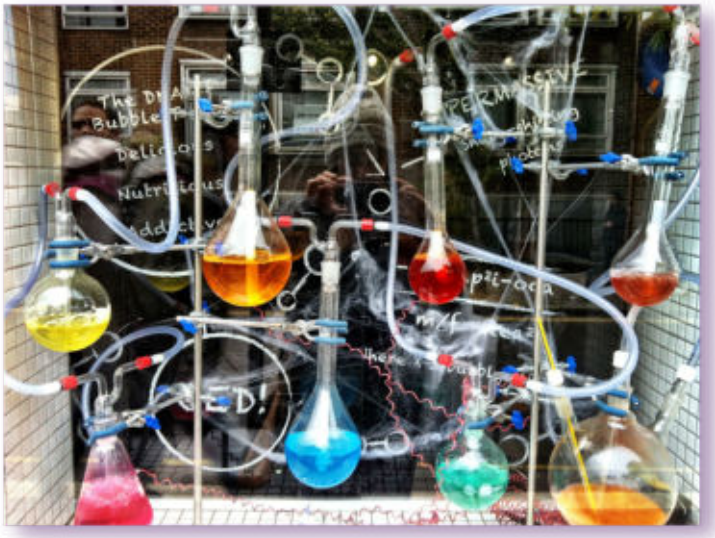
Examinations
(all at end of year 13)

Paper 1: Periodic table, elements and physical chemistry (2 hour 15 mins)

Paper 2: Synthesis and analytical techniques (2 hour 15 mins)

Paper 3: Unified chemistry (1 hour 30 mins)

Practical skills require a teacher-assessed component, Practical Endorsement in Chemistry, which will be assessed throughout the 2 year programme and reported separately.

Where could this take you?
The successful completion of this course allows you to pursue many careers and higher education choices such as Medicine, Dentistry, Veterinary, Forensic Science/Investigation, Pharmaceuticals, Biochemistry, Chemical Engineering, Environmental Health, Patent Lawyer, Nuclear Industry, Oceanography, Radiography and many more. It also gives you the skills to be a highly sought after recruit in almost all walks of life. High level Chemistry qualifications are well regarded by universities and employers as they demonstrate a good grasp of key transferable skills such as critical thinking, problem solving, logical processes and evidence evaluation.

Entry Requirements
- Grade 6 in GCSE Science
- Grade 6 or above in Mathematics and English Language
- 5 GCSEs at grade 5 and above