

# A LEVEL CHEMISTRY



## Achieving Excellence Together

AQA A Level Chemistry and CPAC Science Practical Endorsement

Entry Requirements: Grade 6 in Chemistry or Grade 7 in Combined Science at GCSE

### Course Description

Chemistry is an academically demanding course, suited to students with strong analytical, mathematical and reasoning skills.

The aim of the course is to develop students' love and understanding of the subject in preparation for university and/or a career in chemistry.

Students learn concepts and skills through a variety of activities and are encouraged to become independent learners and critical thinkers.

Chemistry is a practical subject and students are given varied opportunities to develop their practical skills throughout the course.

### Course Units

Three main units

Physical chemistry—the study of the effect of chemical structure on physical properties, it includes thermodynamics and electrochemistry.

Inorganic chemistry—the study of inorganic compounds, their synthesis, structure and behaviour.

Organic chemistry—the study of the structure, properties and reactions of organic compounds.

### Method of Assessment

Three, 2 hour-long exams at the end of year 13, weighted equally. Practical skills are assessed internally throughout the course and a pass is required in order to

### Progression

This qualification will support entry into Russell Group Universities and entrance into the following courses, apprenticeships and careers;

- chemistry
- biochemistry
- biology
- pharmaceutical
- biomedical
- medicine
- environmental science
- geology
- oceanography
- engineering
- law

For further information, please email: Mrs Cornwell: [k.cornwell@barnwell.herts.sch.uk](mailto:k.cornwell@barnwell.herts.sch.uk) or Dr Hercus: [b.casserley@barnwell.herts.sch.uk](mailto:b.casserley@barnwell.herts.sch.uk)