

# Chemistry

A level chemistry is both a 'hands on' and intellectually challenging subject which will equip you with the skills to be able to work practically as a Chemist and build upon and develop your knowledge in this exciting area of science. You will be supported in the development of many transferrable skills including: analysis of data, problem solving, chemical calculations, experimental techniques, use of Quickfit © apparatus, and how to formally keep a lab notebook.

The course covers key concepts in organic, inorganic and physical chemistry with practical work embedded throughout. Topics in Year 1 include: atomic structure, the periodic table, titrations, enthalpy changes, organic synthesis and analysis. In Year 2, you will apply your knowledge to new topics including: entropy, transition elements, aromatic compounds, nitrogen compounds, electrode potentials and spectroscopy.

Students have participated in the Cambridge Chemistry Challenge which is designed to take students beyond the A level syllabus and think about science in the way they would at university.

## WHERE TO NEXT?

Chemistry is a valued 'facilitating subject' which opens up a wide range of degree courses and career paths.

Degree courses include: medicine, veterinary science, dentistry, optometry, pharmacy, chemical engineering, sports science, biomedical science, materials science, forensic science, biochemistry, psychology, biology and physics. A good grade in A level chemistry indicates that you have a wide variety of skills and are able to comprehend and use high level ideas, principles and language, and that you can be trained for any situation. The course is therefore a good foundation for other careers including banking, accountancy and economics.

A LEVEL

OCR

## Assessment

100% exams, plus a non-examination assessment— 'Practical endorsement for chemistry' - where students complete a minimum of 12 practical activities to develop and demonstrate practical skills in chemistry.

