

# Chemistry

## COURSE CODE

AS Level            Edexcel 8CH01  
A Level             Edexcel 9CH01

## ENTRY REQUIREMENTS

- 6 or above in GCSE Chemistry (Treble Science) or a 6 or above in the Chemistry exams in GCSE Combined Science AND
- 6-6 or above in GCSE Combined Science or an average of a 6 or above in Treble Science (i.e. an average of 6 or above in Biology, Chemistry and Physics GCSEs) AND
- 6 or above in GCSE Maths.

## WHAT WILL YOU LEARN?

This course will try to give you the skills and understanding to make decisions about the way chemistry affects your everyday life by studying a wide range of topics including: Atomic structure and the Periodic Table, Bonding and Structure, Redox, Inorganic Chemistry and the Periodic Table, Formulae, Equations and Amounts of Substance, Organic Chemistry, Modern Analytical Techniques, Energetics, Kinetics, Equilibrium, Acid-base Equilibria, Transition Metals.

In addition, Chemistry allows you to develop a range of generic skills requested by both employers and universities. You will build up a range of practical skills that require creativity and accuracy. As you become more skilled you will take responsibility for selecting appropriate qualitative and quantitative methods, recording your observations and findings accurately and precisely as well as critically analysing and evaluating the methodology, results and impact of your own and others' experimental and investigative activities.

## ASSESSMENT

### AS Level

Two 1 hour and 30 minute papers containing a mixture of multiple choice, short answer and extended writing;

- Paper 1: Advanced Inorganic and Physical Chemistry
- Paper 2: Advanced Organic and Physical Chemistry.

### A Level

Two 1 hour and 45 minute papers containing a mixture of multiple choice, short answer and extended writing;

- Paper 1: Advanced Inorganic and Physical Chemistry.
- Paper 2: Advanced Organic and Physical Chemistry.

One 2 hour and 30 minute paper containing a mixture of multiple choice, short answer and extended writing;

- Paper 3: General and Practical Principles in Chemistry.

## NEXT STEPS

Chemistry, Chemical Engineering, Chemistry in Combination, Medicine, Veterinary Science, Pharmacology, Physiology, Biochemistry, Bioscience, Biological Sciences, Food Science, Geology.

## CAREER INFORMATION

Chemistry is essential for careers in the chemical industry (R&D production, sales etc.) medicine, veterinary science, chemical engineering, forensic science and pharmacy. It will also be an asset to anyone wanting to pursue a career in environmental science, quality control, analysis.

## EXTRA COSTS

You will need to cover the cost of an exam board specific text book and revision guide.