

A Level



Chemistry

**NELSON & COLNE
COLLEGE**

SIXTH FORM

 UNIQUE PRE-PROFESSIONAL
PROGRAMMES AVAILABLE IN
MEDICINE AND STEMX

A Level Entry Requirements

Two grade 5s and three 4s in five subject areas at GCSE, to include a minimum of a grade 4 in English Language.

Additional Subject Requirements

Chemistry plus another science subject, or triple or combined Science at grade 5 or above and Mathematics at grade 5 or above.

Course description

Chemistry combines well with other sciences and is a key subject for many degree courses in science, such as Medical, Veterinary or Dental Sciences, Biochemistry, Chemistry or Chemical Engineering.

You will add to your knowledge of atoms, bonds, groups, structure and bonding and relate them to types of reaction.

You will also further investigate energy changes and rates of reaction. Later in the course you will develop your knowledge of Organic Chemistry, including investigating how drug molecules are made by organic chemists. You will also learn about the exciting field of spectroscopy which is used in Medicine and Analytical Chemistry.

There is a strong emphasis on developing practical skills and applying theory to practical applications. This is essential if you plan to study Chemistry at university.

What facilities are available?

You will benefit from supportive tutors and modern high-tech science laboratories, housing industry standard equipment, including infrared and UV visible spectrometers.

What next?

Former students of Chemistry have gone on to study at some of the UK's top universities, including the University of Oxford, Imperial College London, University College London (UCL), King's College London and the University of Manchester, reading a range of degree programmes including Medicine, Optometry, Forensics, Pharmacy, Chemical and Nuclear Engineering and Medicinal and Biological Chemistry, to name a few.

