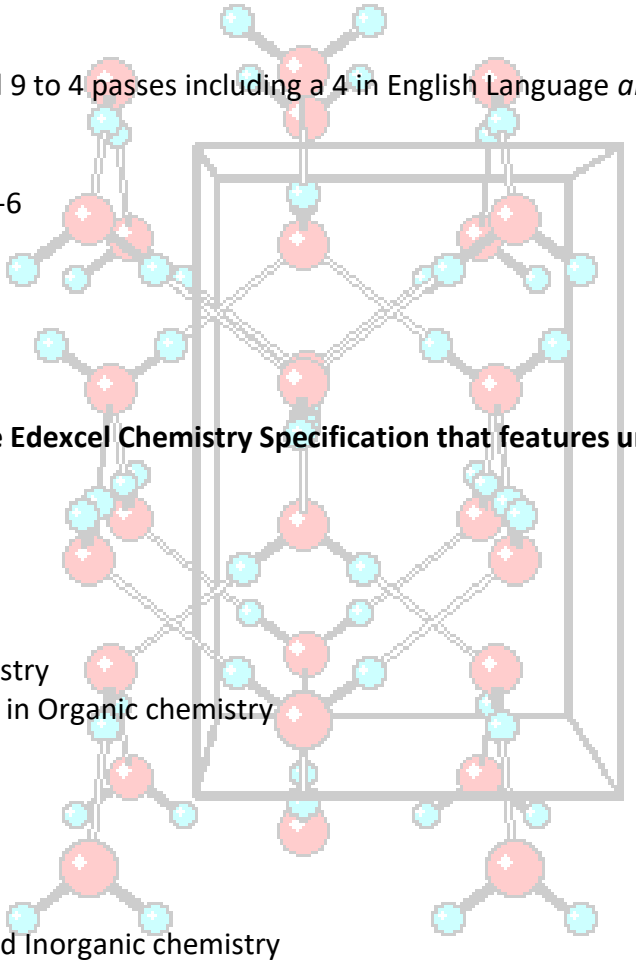
The Cardinal Wiseman School
A Level courses

CHEMISTRY

'We think there is colour, we think there is sweet, we think there is bitter, but in reality there are atoms and a void. '
Democritus, C. 460BC- 370BC

Entry Requirements:

Students must have 6 x Level 9 to 4 passes including a 4 in English Language *and*:
GCSE Mathematics – Level 6
and:
1) GCSE Combined Science 6-6
Or
2) GCSE Chemistry – Grade 6



What will I study?

Students will study from the Edexcel Chemistry Specification that features units which include the following:

- Chemical calculations
- Organic Chemistry
- Bonding
- Calculations in Chemistry
- Analytical techniques in Organic chemistry
- Energetics
- Transition Metals
- Redox
- Organic synthesis
- Kinetics
- The Periodic Table and Inorganic chemistry
- Equilibria and Acids-bases equilibria

At the end of year 13 for the A Level qualification, students will take three exams that will draw on content from every topic over the two-year period.

Students will also receive a practical competency endorsement from the Edexcel exam board.

How will studying Chemistry benefit me?

A Level Chemistry is a good all round academic subject. It will enable you to develop a set of skills which is sought after by both universities and employers. The skills you will develop are:

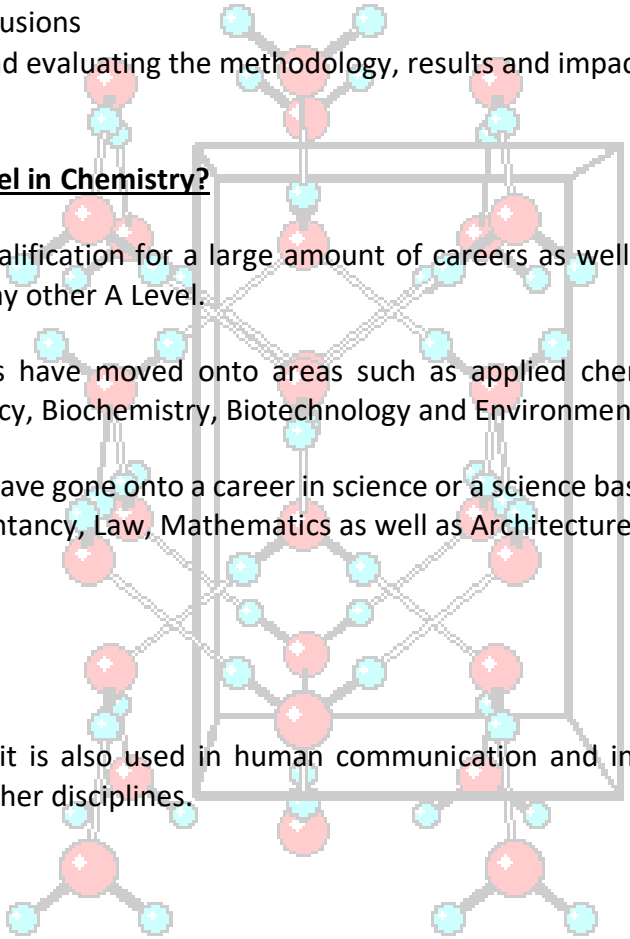
- Problem-solving and efficient communication
- Report writing
- Data handling, including information retrieval, the use of numeracy and ICT.
- A range of practical skills that require creativity and accuracy
- How to work effectively as part of a group
- How to present conclusions
- Critically analysing and evaluating the methodology, results and impact of your own and others activities.

What can I do with an A Level in Chemistry?

Chemistry is an essential qualification for a large amount of careers as well as well as being an excellent subject to study alongside any other A Level.

A large number of students have moved onto areas such as applied chemistry, chemical engineering, Medicine, Dentistry, Pharmacy, Biochemistry, Biotechnology and Environmental science.

Not all of our past students have gone onto a career in science or a science based subject. Some have ended up studying Business, Accountancy, Law, Mathematics as well as Architecture.



Remember...

Chemistry is a science, but it is also used in human communication and interaction, cooking, medicine, engineering, and a host of other disciplines.