

Student Achievement 2016

Pass rate: 98% • A*-C Grades: 62%

Chemistry is the study of how the elements and their compounds behave. It overlaps with Physics and Biology as chemical principles underpin the physical environment in which we live, as well as all biological systems. In this course you will develop essential knowledge and understanding of fundamental chemical concepts, as well as a variety of areas of chemistry, and you will get to grips with how these relate to each other. You will also develop a deeper appreciation of how chemistry plays a major role in providing the comfortable modern lifestyle we appreciate and how it contributes to the success of the economy and to society more broadly.

Level: Level 3

Specific Course Entry Requirements

College entry to include Double Award GCSE Science Higher Tier BB* (or above) or GCSE Chemistry B (or above) plus a minimum of either GCSE Biology B or GCSE Physics B. You must also have achieved GCSE Mathematics Grade 5 or above (please refer to the Entry Requirements section page 24 for further details).

Exam Board: OCR

What will I study?

Topics covered during the course include Quantitative Chemistry, Atomic Structure, Chemical Bonding and the Periodic Table, Organic Chemistry, Transition Metals, Acids and Amines, Energy Changes, Rates of Reaction and Equilibria. The course also includes practical work which helps develop your understanding.

How will I be assessed?

100% Examination. Practical skills are embedded within the course and are assessed as part of the practical endorsement of the A level as well as in the written examinations.

Where will this course lead me?

Chemistry impacts on every part of our daily lives. Without Chemistry there would be no plastics, cosmetics, brightly coloured dyes or synthetic fibres. There would be no drugs to fight disease, nor any methods to monitor pollution. Chemistry is an essential qualification for entry into Medicine, Dentistry, Biological Sciences and Veterinary Science and is preferred for entry into Physiotherapy.

What support will I receive?

You will be given a set of printed notes for each of the modules studied. Your teacher will go through this material in lessons and will expect you to complete the exercises and problems within your booklet in order to check your understanding. You will get lots of help in order to make sure that you will be successful. Additional tutorials and revision sessions are held within the department at lunchtimes and also after the college day.

What is the department like?

Students are taught in groups of about twenty. There are currently four classes at AS level. These relatively small numbers mean that the teacher can focus on the individual needs of their students in order to maximise achievement.

Enrichment opportunities

Trips to local Universities, science lectures are frequently organised in the department. Each year there is the opportunity to go on an international trip e.g Iceland.

Head of Department

Victoria Brown

Tutors

Lucy Reid
Dave Gent





St John Rigby College

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St John Rigby College reserves the right to make changes including courses offered, course content and entry requirements at any time.

