



CHEMISTRY

CHEMISTRY IS ALL AROUND YOU AND IS AT THE FOREFRONT OF INNOVATION IN MANY FIELDS, INCLUDING MEDICINE, ENGINEERING, AND THE ENVIRONMENT. THIS COURSE BRINGS CHEMISTRY TO LIFE AS YOU EXPLORE THE PROPERTIES AND INTERACTIONS OF SUBSTANCES THAT FORM THE BUILDING BLOCKS OF MATTER. YOU WILL ALSO PARTICIPATE IN A WIDE RANGE OF HANDS-ON CHEMISTRY PRACTICALS IN OUR WELL-EQUIPPED LABS.

TOPICS YOU'LL COVER

YEAR ONE

- Practical skill development
- Foundations in chemistry
- Periodic table and energy
- Introduction to organic chemistry.

YEAR TWO

- Physical chemistry and transition elements
- Further organic chemistry and analysis.

ASSESSMENT

- 100% examination, to be sat at the end of the second year.
- Non-exam assessment of practical skills, which results in a Practical Endorsement.

ENTRY REQUIREMENTS

Five GCSEs at grade 5 or above, including Maths and Science (Chemistry or double award) at grade 6 and English at grade 5.

PROGRESSION POSSIBILITIES

CAREERS: Chemist, biochemist, doctor, dentist, vet, chemical engineer, pharmacist, geologist, food scientist, forensic scientist, environmental scientist.

UNIVERSITY STUDY: Chemistry, biochemistry, medicine, dentistry, veterinary science, chemical engineering, pharmacy, pharmacology, geology, food science, forensic science, environmental science.

SKILLS DEVELOPED

You will develop practical skills such as: applying investigative approaches and methods when using instruments and equipment; safely using a range of practical equipment and materials; making and recording observations; following written procedures; and researching, referencing and reporting.

In addition, you will develop mathematical skills in arithmetic, data handling, algebra and graphing. You will gain skills in applying your knowledge to solve problems and writing clear explanations of chemical behaviour.

ENRICHMENT OPPORTUNITIES

- Twilight Chemistry sessions at Southampton University
- Operating Theatre Live
- Industry specialist speakers.

QUALIFICATION

A LEVEL

LEVEL

LEVEL 3

CURRENT EXAM BOARD

OCR

CURIOUS ABOUT... CHEMISTRY?



Read 'The Disappearing Spoon...and other true tales from the Periodic Table' by Sam Kean



Watch - Royal Society of Chemistry: [youtube.com/user/wwwRSCorg](https://www.youtube.com/user/wwwRSCorg)

Disclaimer: Information in this course leaflet is for September 2021 entry and is accurate at time of printing. All information provided is subject to change and may be updated during the academic year. Courses offered by the College are subject to change and are reviewed on an annual basis.