



**RICHARD
TAUNTON**
Sixth Form College



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.

KEY TOPICS

- The structure of atoms, compounds and molecules, and how they are bonded
- The periodic table and the reactions of Group 2 metals, the halogens and transition elements
- Analytical chemistry: the tests that chemists can perform to identify different substances
- Physical chemistry, including rates, equilibria, energy and acids
- Organic chemistry, including reaction mechanisms and how chemists can build molecules.

ASSESSMENT

This course is 100% exam based. There is also a non-exam assessment of practical skills, which results in a Practical Endorsement.

ENTRY REQUIREMENTS

At least five GCSEs at grade 5 or above, including Maths and Science (Chemistry or double award) at a grade 6 and English at a grade 5.

Disclaimer: Information in this course leaflet is for September 2022 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.

PROGRESSION POSSIBILITIES

UNIVERSITY COURSES: Biochemistry, Medicine, Chemical Engineering, Pharmacology, Forensic Science.

CAREER OPTIONS: Chemist, doctor, geologist, food scientist, environmental scientist.

SKILLS DEVELOPED

- Investigative approaches and methods
- Safe use of equipment and materials
- Making and recording observations
- Researching, referencing and reporting
- Data handling, algebra, graphing.

TRIPS, ENRICHMENT & OTHER OPPORTUNITIES

- Attend Twilight Chemistry sessions at the University of Southampton
- Get involved with Operating Theatre Live
- Take part in the Chemistry Olympiad and other external competitions
- Be part of the Brilliant Club Scholars Programme.

QUALIFICATION

A LEVEL

LEVEL

LEVEL 3

CURRENT EXAM BOARD

AQA

STUDENT VIEW

“I chose to study Chemistry at Richard Taunton because of how friendly and helpful the staff were. I also loved the large lab rooms because they are modern and spacious.”

Julia Brito

Formerly of Upper Shirley High School

READY TO APPLY?

Visit our website and fill out an application form to secure your place.

We recommend applying before the end of March to ensure you benefit from our full transition package.