

A LEVEL

# CHEMISTRY

## Course Summary



Bishop Challoner  
Catholic School

**ENTRY REQUIREMENTS:** Grade 7 in GCSE Chemistry and Maths

### COURSE OVERVIEW

The Chemistry course covers inorganic chemistry, studying reactions of elements and their compounds; organic chemistry, focusing on carbon and vital compounds; and physical chemistry, exploring energy changes and reaction rates. The significance of chemistry in society is highlighted across all three areas.

### WHY SHOULD I STUDY CHEMISTRY?

A Level Chemistry deepens your understanding beyond GCSE, helping you form independent theories for future study. You'll explore how substances are made, their properties, and reactions, interpreting these through atoms, molecules, and electronic structures. Practical sessions reinforce this knowledge.

### WHAT COURSES CAN THIS PREPARE ME FOR AT UNIVERSITY?

An A-Level in Chemistry prepares you for university courses such as Chemistry, Biochemistry, Chemical Engineering, and Medicine, providing a foundation for scientific and healthcare degrees.

### WHAT CAREERS CAN THIS SUBJECT SET ME UP FOR?

An A-Level in Chemistry can lead to careers in pharmaceuticals, research, teaching, chemical engineering, environmental science, and healthcare, with roles like chemist, lab technician, and forensic scientist.

### COURSE SPECIFICATION

**EXAM BOARD:** OCR

| Paper | Content   | Duration | Weighting |
|-------|---|----------|-----------|
| 1     | Periodic table, elements and physical chemistry | 135 mins | 37%       |
| 2     | Synthesis and analytical techniques             | 135 mins | 37%       |
| 3     | Unified Chemistry                               | 90 mins  | 26%       |
| 4     | Non-Exam Assessment                             | n/a      | n/a       |