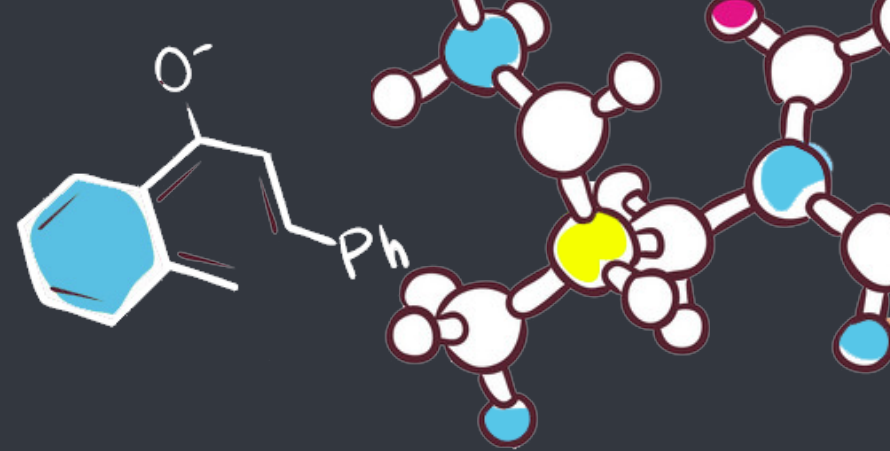


COWLEY

SIXTH FORM COLLEGE



A-LEVEL

CHEMISTRY

Overview

You will study a broad range of chemistry topics and carry out practical work to underpin the theory. The theoretical content is split into three main strands: Physical chemistry, Inorganic chemistry and Organic chemistry.

The theory builds upon the chemistry studied at GCSE, but includes a number of new concepts and ideas. New topics studied at A-Level include: Electrochemical cells, Transition metals, Isomerism and Spectrometry.

Lessons

Lessons will be a combination of theory notes, practical work and practice past paper questions. We believe that chemistry is fundamentally an experimental subject, so we aim to provide numerous opportunities to use practical experiences to link theory to reality, and provide you with the essential practical skills that you need.

Outside the classroom

We have organised trips to Liverpool John Moore's University as part of the 'Chemistry for All' scheme. Future trips are being planned to The University of Liverpool in order to gain first-hand experience of a university chemistry lab and use the specialist equipment there that you will learn about during the course (e.g. IR and NMR spectrometers).

Equipment that you will need

Basic stationery (pens, pencils, ruler, notepad), plus a scientific calculator.

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I have enjoyed getting a deeper understanding of Chemistry through interesting and enjoyable teaching methods. We have learnt how to use mechanisms to apply to models of bonding and have done practicals such as titrations and making aspirin.



Progression

Chemistry is a subject that will enable you to follow a wide variety of degree courses and apprenticeships.

The majority of students usually move to work within medicine, engineering, pharmacy, veterinary science, analytical chemistry, forensic science, geochemistry and teaching.