

Chemistry



Why choose Chemistry?

- Chemistry allows you to study materials, how they react and how these materials can be put to good use in society
- Experienced teachers
- Good value-added examination results
- Many students progress to study other subjects at university which require a chemical background such as medicine, veterinary science, pharmacy and geology
- Experimental work in the laboratory is an important part of AS Chemistry
- Opportunities to develop key skills of communication, application of number and problem-solving

AS Chemistry Course Details

Course Content

CH1 - Controlling and Using Chemical Change - atomic structure, radioactivity, moles, acids and alkalis, equilibria, energetics and rates of reaction

CH2 - Properties, Structure and Bonding - ionic and covalent bonding, van der Waals forces, hydrogen bonding, shapes of molecules, solubility, structure of solids, the periodic table including group 1, 2 and 7, fuels, CFCs, alcohols and chemical analysis

CH3 - Practical Unit - Practical based assessment aimed to develop understanding of the link between theory and experiment

Assessment

CH1	40%	90 min written paper
CH2	40%	90 min written paper
CH3	20%	Two pieces of coursework

Department Team

- Mr A Rees (Head of Chemistry) C1
- Mrs E Davies (Area Coordinator) C3
- Ms K Joule C8
- Mrs M Roberts C6

Student Comments

"I have found that the A Level course that I took has given me a very good preparation and a head start. Some people I know did not cover the things that I did at A Level"
Jonathan Mountford, 2nd Year at Manchester University reading Chemistry

"With the enthusiasm and commitment of the chemistry teachers at the Alun, I knew I could achieve the A level grades needed to study dentistry."
Charlotte Smith, 3rd Year at Liverpool University reading Dentistry

"Happy friendly atmosphere, always someone ready to help and never a dull moment."
Catherine Sheffield, 3rd year at Newcastle University reading Civil and Structural Engineering

"I greatly enjoyed Chemistry, and found that its logic and problem solving complimented my other A levels subjects History and German."
Lucy Weston, 3rd year History student at Warwick University

"Chemistry is enjoyable and challenging. I would recommend it to anyone as long as they are willing to work hard."
Stephen Jones, 2nd year Chemistry student at Leeds University