

Chemistry A Level

Exam Board: AQA

Entry Requirements: Students require a GCSE Grade 6 in GCSE chemistry or grade 7-7 in combined science. Students also require at least a grade 6 in GCSE mathematics.

Subject Content

1. Physical Chemistry in more depth; e.g. thermodynamics and electrochemical cells.
2. Inorganic Chemistry in more depth; e.g. transition metals.
3. Organic Chemistry in more depth; e.g. aldehydes and ketones, polymers and organic synthesis.



Skills gained and enrichment opportunities:

Chemistry is fundamentally an experimental subject. The specification provides numerous opportunities to use practical experiences to link theory to reality and equip students with the essential practical skills they need, allowing students to scope real life applications in our world. Chemistry is an excellent stepping stone to future studies, ensuring that students are able to develop their scientific skills and lay the foundations in courses such as medicine and pharmacy.

Assessments

Paper 1: Physical Chemistry and Inorganic Chemistry topics, including relevant practical skills.
2 hours written exam paper worth 35% of A level course.

Out of 105 marks: Mixture of short and long answer questions.

Paper 2: Physical Chemistry and Organic Chemistry topics, including relevant practical skills.
2 hours written exam paper worth 35% of A level course.

Out of 105 marks: Mixture of short and long answer questions.

Paper 3: Any content, including any relevant practical skills.

2 hours written exam paper worth 30% of A level course.

Out of 90 marks:

40 marks: Questions on practical techniques and data analysis.

20 marks: Questions testing across the specification.

30 marks: Multiple choice questions.

Progression/career opportunities:

Chemistry is required to study the following courses in higher education; medicine, dentistry, pharmacy and veterinary science. Other career opportunities include research and development, chemical engineering, biochemistry and other scientific-related subjects.

Further information:

Mr N Charman - Head of Science
Nick.Charman@Walthamstow-Academy.Org