

A Level

Specification Number: 7405

Chemistry

Entry Requirements

Minimum of 5 grade 5 (new grading structure) at GCSE or equivalent with English and 6 in maths. At least a grade 6 in GCSE Chemistry or Combined Science is the minimum requirement.

Course Description

There are three areas of chemistry which are studied.

Physical	Organic	Inorganic
Thermodynamics	Optical isomerism	Properties of Period 3 elements and their oxides
Rate equations	Aldehydes, Ketones, Carboxylic acids and derivatives	Transition metals
Equilibrium constant K_c for homogeneous systems	Aromatic chemistry	Reactions of ions in aqueous solution
Electrode potentials and electrochemical cells	Amines, Amino acids, proteins and DNA	
Acids and bases	Polymers	
	Organic synthesis, NMR and Chromatography	

Assessment

The course will be assessed via three written papers including relevant practical skills:

Paper 1: 2 hours long consisting of 105 marks: a mixture of short and long answer questions.

Paper 2: 2 hours long consisting of 105 marks: a mixture of short and long answer questions.

Paper 3: 2 hours long consisting of 90 marks (40 marks: practical and data analysis 20 marks: questions testing across the specification and 30 marks: multiple choice questions).

Career Opportunities

Medicine	Environmental Science	Veterinary
Teaching	Research	Physiotherapy
Pharmacology	Hospital Administration	Nursing

Exam Board Website:

[AQA | Science | AS and A-level | Chemistry](#)

Course Details

For more information please see Mrs S Raju, (01922) 721071 ext. 328.

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