

AQA A-level Chemistry

Paper 1 & Paper 2 Masterclass Programme – Year 13

Led by Ms Ragi Marmar – AQA Examiner | Qualified Teacher (QTS) | DBS Checked

Programme Overview

This intensive masterclass programme is designed exclusively for Year 13 students studying AQA A-level Chemistry and aiming for A/A*.

The programme consists of two focused 2-hour sessions covering Papers 1 and 2, targeting the most intellectually demanding areas of the AQA specification alongside the analytical precision required to secure top-band responses.

Sessions are academically rigorous and strategically structured to deepen conceptual understanding, eliminate high-level misconceptions, refine extended written responses, strengthen quantitative fluency and develop confident mechanistic and analytical reasoning.

This is a complete written examination preparation programme, designed to convert strong subject knowledge into disciplined, high-performance exam execution under AQA assessment criteria.

Structure & Delivery

- Thursday 2nd April – Paper 1 (4:00–6:00pm)
- Friday 10th April – Paper 2 (9:30–11:30am)
- Delivered live online via Zoom
- Students attend both sessions as a complete programme
- Selective cohort of 8 students

Paper 1 – Physical & Inorganic Chemistry

Paper 1 in AQA is calculation-heavy and conceptually demanding. This session will focus on precision, structure and exam discipline.

- Amount of substance and multi-step calculations
- Bonding, structure and periodicity
- Energetics, entropy and Gibbs free energy
- Kinetics and rate equations
- Chemical equilibria (K_c , K_p and Le Chatelier)
- Redox chemistry and electrochemical cells
- Transition metal chemistry

Paper 2 – Organic Chemistry & Analytical Techniques

Paper 2 demands fluency in mechanisms, synthesis and analytical interpretation.

- Core reaction mechanisms (electrophilic addition, nucleophilic substitution, elimination, acylation)
- Carbonyl chemistry in depth
- Aromatic chemistry
- Amines and polymer chemistry
- Multi-step synthetic planning
- IR, MS and NMR interpretation
- Structure determination and combined synthesis questions

Investment

Full 4-hour A-level Masterclass Programme (Paper 1 & 2): £360

This is delivered as a complete examination preparation programme. Students are expected to attend both sessions.

Enrolment & Booking

Confirmed enrolment and payment must be received by Monday 9th March.

Places are strictly limited and allocated on a first come first served basis.

The programme will run subject to a minimum enrolment of 4 students. In the unlikely event that minimum numbers are not met, the programme will not proceed and a full refund will be issued promptly.

Booking & Enquiries

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