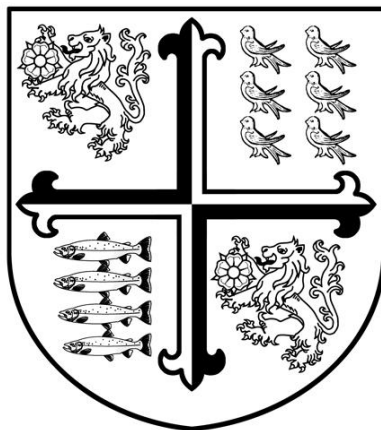




A Level Chemistry Exam Preparation

Exam Board: AQA

Specification: 7405

Chemistry AS and A-level Specification

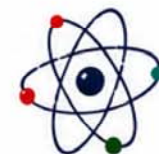
Contact details:

Mr A Oliver – aoliver@bournemouth-school.org



A LEVEL CHEMISTRY

CURRICULUM MAP



YEAR
12

BUILDING
FOUNDATIONS

COURSE OVERVIEW

Year 12 builds the essential knowledge, practical skills and understanding you'll need for success in Year 13 and beyond.



AUTUMN TERM



3.1.1 Atomic Structure



3.1.2 Amount of Substance **RP1**



3.1.3 Bonding



3.1.5 Kinetics **RP3**



3.2.1 Introduction to Organic Chemistry



3.2.2 Alkanes



3.1.4 Energetics (begins)

EARLIEST ASSESSMENT DATES

- 21 Sep 26 – Baseline Assessment
- 23 Nov 26 – Amount of Substance (RP1)
- 28 Sep 26 – Bonding
- 09 Nov 26 – Kinetics (RP3)



SPRING TERM



3.1.4 Energetics (continued) **RP2**



3.1.6 Chemical Equilibria
3.1.10 Equilibrium Constant K_p



3.1.7 Oxidation and Reduction



3.2.1 Periodicity



3.3.3 Halogenoalkanes



3.3.4 Alkenes



3.3.5 Alcohols **RP5**

EARLIEST ASSESSMENT DATES

- 11 Jan 27 – Energetics / Organic Chemistry
- 12 Apr 27 – Spring Assessment Window (includes all topics above)



SUMMER TERM



3.2.2 Group 2



3.2.3 Group 7 **RP4**



3.1.8 Thermodynamics



3.1.9 Rate Equations **RP7a** **RP7b**



3.3.6 Organic Analysis **RP6**

EARLIEST ASSESSMENT DATES

- 12 Jul 27 – Group 2 & Group 7 (RP4)
- 05 Jul 27 – Rate Equations (RP7a & RP7b) / Organic Analysis (RP6)
- 12 Jul 27 – Thermodynamics
- End of Year Examination Window Summer – (Earliest opportunity)



READY FOR
YEAR 13



REQUIRED PRACTICALS

- RP1** Titration – Acid/base
- RP2** Enthalpy Changes
- RP3** Rates of Reaction
- RP4** Qualitative Analysis – Group 7
- RP5** Organic Synthesis & Purification

- RP6** Organic Analysis
- RP7a** Determine the Order of Reaction
- RP7b** Determine the Order of Reaction



SKILLS YOU WILL DEVELOP

- Practical techniques and accuracy
- Data analysis and problem solving
- Mathematical chemistry skills
- Scientific enquiry and investigation
- Evaluating evidence and drawing conclusions
- Independent learning and revision



PREPARING FOR SUCCESS

- Complete all set homework and wider reading
- Practise exam-style questions regularly
- Develop strong practical and maths skills
- Use feedback to improve your understanding
- Be curious, ask questions, think like a chemist!



SPECIFICATION LINK

View the AQA A Level Chemistry specification using the link below:

<https://tinyurl.com/47yyd9mf>



HARD WORK



DISCIPLINE



SMART APPEARANCE



RESPECT

INSPIRE • CHALLENGE • ACHIEVE