



# CHEMISTRY KEY STAGE 5 SCHEDULE

# 2022-2023

## MODULES/UNITS

### A2 MODULES: AQA 7405

**Paper 1:** Relevant Physical chemistry topics (sections 3.1.1 to 3.1.4, 3.1.6 to 3.1.8 & 3.1.10 to 3.1.12) plus Inorganic chemistry (All section 3.2) plus relevant practical skills.

**Paper 2:** Relevant Physical chemistry topics (sections 3.1.2 to 3.1.6 and 3.1.9) plus Organic chemistry (All of section 3.3) plus relevant practical skills.

**Paper 3:** Any content from the entire syllabus and any practical skills

## COURSEWORK DEADLINES/EXAMS

## WHEN

**Practical Endorsement:** Students are expected to keep a practical notebook containing all the practicals of the course. This practical endorsement is a record of skill development within set practicals and students must show a level of competency to be awarded to endorsement at the end of the course.

ON GOING  
THROUGHOUT  
COURSE

INTERNAL EXAMINATION FOR YEAR 12

JUNE

WRITTEN EXAM PAPERS A2 3 WRITTEN PAPERS

PAPER 1 - PHYSICAL & INORGANIC CHEMISTRY  
PAPER 2 - PHYSICAL & ORGANIC CHEMISTRY  
PAPER 3: ANY CONTENT FROM 2 YEAR COURSE

JUNE

## Content covered in Year 12

### Paper 1

- Atomic Structure + Bonding
- Moles
- Redox
- Periodicity (Group 2 + 7)
- Enthalpy
- Equilibrium

### Paper 2

- Rates
- Introduction to Organic
- Alkanes / Alkenes
- Halogenoalkanes
- Alcohols
- Spectroscopic analysis

## Content covered in year 13

### Paper 1

- Thermodynamics
- Electrochemistry
- Transition Metals
- Gas Equilibrium
- Acids and Bases
- Periodicity

### Paper 2

- Rates
- Carbonyls
- NMR + Chromatography
- Aromatic Chemistry
- Amines
- Polymers

## OTHER INFORMATION

**AS Exam Board:** AQA 7404

**A2 Exam Board:** AQA 7405

### Text books:

**Chemistry 1, Author:** Teresa Quigg, Alyn G. McFarland, Nora Henry

**Publisher:** Hodder Education, ISBN13: 9781471807671

**Chemistry 2, Author:** Alyn G McFarland, Nora Henry

**Publisher:** Hodder Education, ISBN 978-1-4718-0770-1

### Additional Reading List

Calculations for A level Chemistry, 4<sup>th</sup> Edition E.N Ramsden

ISBN: 978-0-7487-5839-5

Calculations in AS/A Level Chemistry, Jim Clark ISBN: 0-582-41127-0

**AS level chemistry CGP ISBN: 978 1 84762 791 9**

**Past Papers:** These are available to download at [www.aqa.org.uk](http://www.aqa.org.uk)

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