

CHEMISTRY

Year 13

Topics Studied:

PHYSICAL CONTENT

3.1.8 Thermodynamics
 3.1.10 Equilibrium constant K_p
 3.1.11 Electrode potential and electrochemical cells
 3.1.12 Acids and bases

INORGANIC CONTENT

3.2.4 Period 3 elements
 3.2.5 Transition Metals
 3.2.6 Reactions of ions in aqueous solution

ORGANIC CONTENT

3.3.7 Optical isomerism
 3.3.8 Aldehydes ketones
 3.3.9 Carboxylic acids
 3.3.10 Aromatic Chemistry
 3.3.11 Amines
 3.3.12 Polymers
 3.3.13 Amino acids, proteins and DNA
 3.3.14 Organic synthesis

Exam Board:

AQA

Assessment structure:

3 examination at the end of year 13

Paper 1 Physical and Inorganic

- ↻ Exam Paper consists of 105 marks
- ↻ 105 marks of short / long Q
- ↻ 2 hours
- ↻ 35 % of A level marks

Paper 2 Physical and Organic

- ↻ Exam Paper consists of 105 marks
- ↻ 105 marks of short / long Q
- ↻ 2 hours
- ↻ 35 % of A level marks

Paper 3 Any content – Any practical skill

- ↻ Exam Paper consists of 90 marks
- ↻ 90 marks of multi /short / long Q
- ↻ 2 hours
- ↻ 30 % of A level marks
- ↻ 40 marks of questions on practical techniques

- and data analysis
- ↻ 20 marks of questions testing across spec
- ↻ 30 marks of multiple choice questions

A further 6 required practical's to be completed in Year 13

Subject specific websites to support revision and independent learning:

The Khan academy
Chemsheets
The Science faculty Kerboodle subscription

Recommended subject guides:

CGP Complete Chemistry AQA ISBN-15: 978-1782943211

Parental/carer support:

- Please feel free to check workbooks to reinforce the high standards that are set during the course. This can lead on to checking the knowledge of the student by questioning them on their understanding of the topics they have been taught, ensuring answers contain a good use of scientific keywords.
- Ensure students are using the online resources (kerboodle, AQA website, show my homework) to support themselves in their revision.

Additional Information:

