

# CHEMISTRY

## Year 12

### Topics Studied:

#### PHYSICAL CONTENT

- 3.1.1 Atomic Structure
- 3.1.2 Amount of Substance
- 3.1.3 Bonding
- 3.1.4 Energetics
- 3.1.5 Kinetics
- 3.1.6 Chemical Equilibria and
- 3.1.7 Oxidation, reduction and redox equations

#### INORGANIC CONTENT

- 3.2.1 Periodicity
- 3.2.2 Group 2 Alkali Earth Metals
- 3.2.3 Group 7 Halogens

#### ORGANIC CONTENT

- 3.3.1 Introduction to Organic
- 3.3.2 Alkanes
- 3.3.3 Haloalkanes
- 3.3.4 Alkenes
- 3.3.5 Alcohols
- 3.3.6 Organic Analysis

### Exam Board:

AQA

### Assessment structure:

There are no official assessments for those undertaking A Level chemistry in Year 12, mock examinations will be conducted however. All assessments are now conducted as terminal examinations at the end of the course in Year 13.

6 required practical's to be completed in Year 12

Questions in the written exams will draw on the knowledge and understanding students have gained by carrying out the practical activities. These questions will count towards the overall marks for the qualification. Many of the questions will also focus on investigative skills and how well students can apply what they know to practical situations often in novel contexts.

### 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:**