

### SUBJECT GUIDE:

Exam Board - EDEXCEL  
Course Code - IGCSE (4HC0)  
Textbook - Edexcel IGCSE Chemistry Student Book (ISBN: 9780435966898)

## WHY IGCSE CHEMISTRY?

This course contains specific aspects of real Chemistry that are relevant to the present day. It is a traditional course, which is rigorous and challenging in its nature and assessment. Students are taught the fundamental principles of the subject and encouraged to understand their relevance and applications in today's world. This course gives an excellent base for studying Chemistry at a more advanced level. Contemporary topics are included to illustrate the dynamic and progressive nature of Science.

Students following this course will:

- Learn about the key principles and patterns within Chemistry, and understand the relationships between different areas of the subject.
- Develop experimental skills and appreciate the links between the practical and theoretical aspects of the subject.
- Form hypotheses and test them, with due attention to the importance of safe, valid procedures and accuracy in experimental work.
- Understand the important applications of Chemistry in the determining the ways that materials are used in everyday life, as well as gaining insight into relevant industrial, technological, environmental, economic and social implications of a chemist's work.

## ASSESSMENT

This course is assessed entirely by external examination, comprising two papers.

**Paper 1:** Examines the core content only. Duration is 2 hours.

**Paper 2:** Examines the core and extension contents. Duration is 1 hour. Examination sessions are in January and June.

Grades range: A\* – G.

**Completion of Paper 1 and Paper 2 leads to a grade for IGCSE Chemistry.**

**Completion of Paper 1 alone, along with Paper 1 for Biology and Physics, leads to two IGCSE grades for Science (Double Award).**

## COURSE STRUCTURE

The IGCSE Chemistry course is divided into the following main sections:

- Principles of Chemistry.
- Chemistry of the elements.
- Organic Chemistry.
- Physical Chemistry.
- Chemistry in society.

**Year 10:** Students study the first part of a two-year course.

**Year 11:** Students study the second part of the two-year course.

**Intensive:** Students study the complete course in one year.