

**CHEMISTRY (Option)****Examination Board**

Edexcel

Assessment Pattern:

All students who study Chemistry at GCSE will obtain a final grade based upon two examinations taken at the end of the second year.

The grade awarded will be A* - G

Course Description:

This course will help you gain an understanding of the exciting nature of Chemistry today. It includes a wide range of experimental work which is designed to support learning as well as develop practical skills.

You will be given opportunities to:

- Learn about the patterns and themes of Chemistry
- Appreciate the practical nature of Chemistry, acquiring experimental and investigative skills based on correct and safe laboratory techniques
- Appreciate the importance to scientific methods of accurate experimental work and reporting
- Form hypothesis and design experiments to test them
- Develop a logical approach to problem solving in a wider context
- Understand the widespread importance of Chemistry and the way materials are used in the world
- Appreciate how the work of the Chemist has social, industrial, technological, environmental and economic consequences for the community
- Prepare for more advanced courses in Chemistry and for courses which require you to have a knowledge Chemistry

There are five areas of content

1. Principles of Chemistry
2. Chemistry of the Elements
3. Organic Chemistry
4. Physical Chemistry
5. Chemistry in Society

Chemistry is essential for students wishing to study Chemistry or Biology beyond GCSE.

For further information see: Mrs Shapiro, Miss Wood or Mr Headford