



AS/A2 CHEMISTRY

Head of Department - Dr S.B. Marr

EXAMINATION BOARD AND SYLLABUS

Board – OCR

Syllabus - Chemistry A

ENTRANCE REQUIREMENTS

GCSE Chemistry Grade A or Additional Science Grade A

OVERVIEW OF COURSE AND ORGANISATION OF WORK

The course will comprise of six units. Four are externally assessed by examination. These units cover major disciplines of chemistry, namely physical, inorganic and organic. There are two further units which cover the practical skills and these will be internally assessed.

AS Unit F321: Atoms, Bonds and Groups

AS Unit F322: Chains, Energy and Resources

AS Unit F323: Practical Skills in Chemistry 1

A2 Unit F324: Rings, Polymers and Analysis

A2 Unit F325: Equilibria, Energetics and Elements

A2 Unit F326: Practical Skills in Chemistry 2

The units involve studying chemical reactions and why they happen, primarily looking for patterns of structure and behaviour related to the periodic table. The aims of the course are to encourage students to:

- develop an interest in, an enthusiasm for chemistry, including developing an interest in further study and careers in chemistry.
- develop essential knowledge and understanding of different areas of chemistry and how they relate to each other;
- appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

DIFFERENCE BETWEEN GCSE & A LEVEL

Students are required to study more conscientiously and more independently than at GCSE level; they take upon themselves responsibility for maintaining high standards of classwork and homework and asking for help when necessary. They need to be able to keep structured notes with only a little guidance, to take an active part in class activities and to organise their practical work taking possible risks into account.

USEFUL SUPPORTING GCSE AND A LEVEL SUBJECTS

GCSE: Mathematics and Physics are desirable. A Level: Physics and/or Biology are useful accompanying subjects but are no means essential.