

CHEMISTRY DEPARTMENT

Senior Chemistry Guide – Higher

Higher Chemistry is a challenging progression from the National 5 Chemistry Course.

Entry Requirements

The preferred entry level is a pass at National 5 Chemistry or, under exceptional circumstances, a pass at another National 5 science. This is to ensure that you are well prepared for the demands of the course and that you are doing a level which is appropriate for you.

The Course Content

The course consists of four units:

Unit 1 Chemical Changes and Structure (0.5 Unit)	Unit 2 Nature's Chemistry	Unit 3 Chemistry in Society	Unit 4 Researching Chemistry (0.5 Unit)
Subtopics: <ul style="list-style-type: none">• Rates of reaction• Periodicity• Structure and bonding	Subtopics: <ul style="list-style-type: none">• Esters, fats and oils• Proteins• Chemistry of cooking• Soaps, detergents and emulsions• Fragrances• Skin care	Subtopics: <ul style="list-style-type: none">• Chemical Industry• Equilibria• Chemical Energy• Oxidation and reduction• Chemical Analysis	Research an aspect of chemistry; collect /create info' from different sources, and develop an investigation that will be reported in writing.

Assessment

There are several pieces of assessment during this course similar to those of National 5.

- 1) Outcome 1 – Investigation (Assessment standards 1.1-1.6).
 - Conduct an investigation and produce a precise scientific report.
- 2) Outcome 2 –
 - **Assessment standard 2.1/2.2 'Key Area Test' (KAT).**
 - This assesses knowledge and understanding as well as problem solving skills. The problem solving skills covered are analysing, selecting, processing and predicting.
- 3) Assignment
 - You are required to research an aspect of chemistry and write about its effect on society and the environment. You are expected to select, analyse and present data in your work as well as to reference where your information came from.
 - This work is worth 20 marks, which is 16.7% of your final exam marks.
- 4) The final exam.
 - The paper is worth 100marks, 20 multiple choice, 80 extended answer questions. It will last 2.5 hours. The total exam mark is awarded out of 120 (assessment + exam).

You must pass all forms of assessment before you can receive a course award.