Chemistry Higher

Award Received

Higher Chemistry is graded A – D.

Entry Level: What do I need to do it?

You should have, or be predicted to get, a grade A or a good grade B in National 5 Chemistry.

The large proportion of calculations involved in this course also makes it important that you have very good numeracy skills.

The ability to self-motivate and take more responsibility for your own learning are essential requirements if you wish to achieve success in this course.

Course Content: What will I learn?

The general aim of this course is to continue to develop your skills of scientific inquiry, investigation, analytical thinking as well as your knowledge and understanding of chemistry.

Chemical Changes & Structures

You will learn about the key areas of: controlling the rate, periodicity, structure, bonding and oxidizing and reducing agents.

Chemistry in Society

You will learn about the key areas of: getting the most from reactants, equilibria, chemical energy

and chemical analysis. Your skills with mole calculations will be extended.

Nature's Chemistry

In this Unit you will learn about the key areas of: esters, fats and oils, proteins, the chemistry of cooking, oxidation of food, soaps detergents and emulsions, fragrances and skincare products. We will also consolidate and extend your Knowledge of Homologous Series.







Researching Chemistry

You will learn more about practical techniques, equipment and analysing data.

Teaching Methods: What will I do?

Much of the course will be teacher-led with consolidation through practise questions. You will also be involved in a variety of tasks including practical experiments and investigations, written work, research and presentation tasks.

Assessment: How will I be assessed?

You will be assessed as follows:

* **Topic Tests and Prelim** - covering knowledge and understanding of key areas and problem solving

* Final Exam - covering knowledge and understanding and problem solving,

* **Assignment** – including researching a topic, carrying out an experiment and writing a report (20%)

Home Study

Your main home study will be to consolidate on the work done in class – by reading over notes, completing questions, reading Text Book etc.

In addition you will be given regular homework tasks, eg practice exam questions and revision tasks.

Progression in the Senior Phase.

High achieving and committed Higher Chemistry students would be recommended to progress to the Advanced Higher level of study.