



## Career Areas

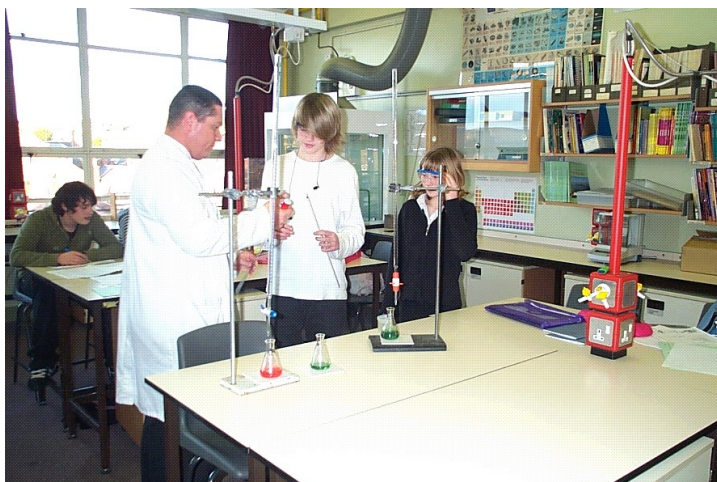
- Health and Medicine
- Manufacturing Industries
- Science and Mathematics /Biology / Food Science & Technology
- Animals, Land and Environment
- Hairdressing & Beauty / Beauty
- Engineering

*Further advice and information on these options is available from your subject teacher, guidance teacher and careers adviser.*

## OTHER INFORMATION

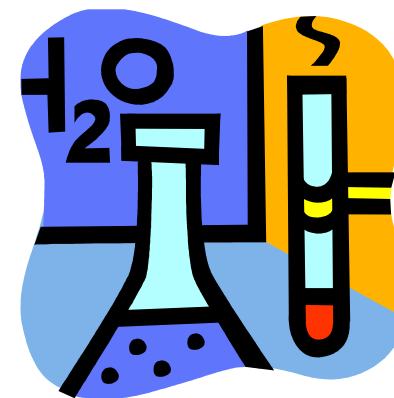
STAFF:

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Faculty of  
Science

# Chemistry Higher



TURRIFF ACADEMY

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# COURSE INFORMATION

## Why Chemistry?

Chemistry is vital to everyday life and allows us to understand and shape the world in which we live. You will learn about the applications of chemistry in everyday contexts such as medicine, energy and industry, as well as its impact on the environment and sustainability. You will learn how to think creatively and independently, and analyse and solve problems.

## Course Outline

You will learn about how we use the Earth's resources, the chemistry of everyday products and environmental analysis. You will find out how chemistry affects our environment and our everyday lives. This will help you to make your own decisions on contemporary issues where scientific knowledge is constantly developing.

The course has **three** compulsory units plus an **added value** unit that assesses your practical skills. The unit titles are the same as those for **National 5** but you will have to achieve a higher standard of work.

### Chemical Changes and Structure

In this unit you will develop an understanding of :

- How reaction rates are controlled
- Periodicity
- Structure and bonding

### Nature's Chemistry:

In this unit you will develop an understanding of :

- Esters, fats and oils
- Proteins
- The chemistry of cooking
- Oxidation of food
- Soaps, detergents and emulsions
- Fragrances
- Skin care

### Chemistry in Society:

In this unit you will develop an understanding of :

- Getting the most from reactants
- Equilibrium
- Chemical energies
- Oxidising or reducing agents
- Chemical analysis

### Researching Chemistry:

In this unit you will develop an understanding of:

- Research methodology
- Manipulation of experimental apparatus
- Problem solving in a practical setting
- Producing a scientifically concise report

# ASSESSMENT

Your work will be assessed by your teacher on an ongoing basis and by the SQA at the end of the course

### The course award is determined by:

#### Final exams (80%)

Paper 1 25 marks  
Paper 2 95 marks

#### Assignment (20%)

An investigation written up in class and submitted to the SQA to be marked. 30marks

The Course assessment is graded A–D. Your grade will depend on the total marks gained from the assignment and final exams.

# PROGRESSION

Successful completion of this course may lead to:

Advanced Higher Chemistry

Foundation Apprenticeship: Scientific technologies

# FURTHER COURSES IN TURRIFF ACADEMY

In S6

Higher Physics

Higher Biology

Advanced Higher Chemistry

Foundation Apprenticeship: Scientific technologies

