

**Curricular Area:** Science

**Course Title:** Chemistry National 5

### **Course Description**

The course provides a broad-based, integrated study of the range of Chemistry topics which are required for progression to the study of Higher Chemistry as well as other areas of study at college or employment.

There are 3 units of study:

- Chemical Changes and Structure
- Nature's Chemistry
- Chemistry in Society



The course further develops the key areas studied at National level Chemistry.

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### **Entry requirements**

National 4 in Chemistry or National 5 in Biology or Physics

### **Presentation level**

Students may be either presented for the 3 units at SCQF level 5 or for the final National 5 exam.

### **Assessment**

Students who are working towards achieving SCQF level 5 Chemistry will sit Key Area assessments, testing their ability to recall knowledge related to key areas of content and successfully perform solving problem skills.

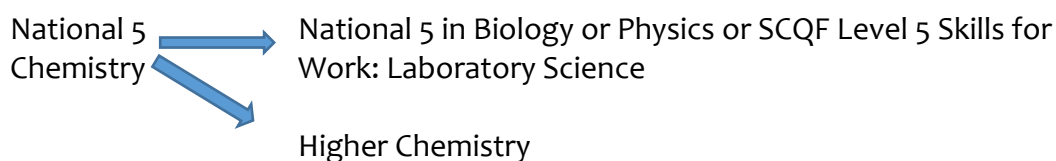
Students who are working towards passing the final National 5 exam will sit more demanding assessments with questions that test the application of their knowledge to new situations. All students will be applying skills of scientific enquiry throughout the course.

There is an Assignment (worth 20% of the final mark) and an exam, both of which are externally marked. During the Assignment, students will carry out an experiment and do some research into a relevant topic in Chemistry and compare their results to published data on the same theme. The student then present their findings in a written report. There will also be a prelim exam.

### **Home Study Expectations**

Students are issued with home study either weekly or fortnightly depending on the demands of part of the course. Home Study tasks will vary and could include research, consolidation of learning, practicing data handling skills and writing up experiments. Students will be also be expected to spend 30 minutes each week reading over their notes.

### Possible next level of study



### Wider Achievement Opportunities

Students have many opportunities to explore and develop their investigative and practical skills in Chemistry. There are also opportunities to be involved in debates about contemporary controversial Chemical issues.

### Possible career path

Discovering new medicines, environmental protection, forensic science, researcher, education, Science advisors for politics and policy makers, consultants on economic impact of chemical issues, fragrance chemist, Science writing and communication, art: illustrations in Chemistry textbooks, magazines and many more.

For more information see <http://www.rsc.org/learn-chemistry/collections/faces-of-chemistry/careers-with-chemistry>