

Chemistry National 4



Award Received

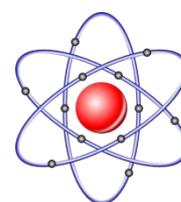
National 4 Chemistry (Graded Pass or Fail currently under review by the SQA).

Entry Level: What do I need to do it?

Entry into N4 Chemistry will normally depend on your attainment in the S3 Science courses, (or National 4/5 courses if you're enrolling in S5/6)

Your Science teacher will advise you on whether N4 Chemistry is an appropriate subject and level of study for you.

Alternatively go and see Mrs Stewart or a member of the Science Department for advice.



Course Content: What will I learn?

Chemical Changes and Structure: Pupils will learn about rates of reactions and how to interpret and change them. Various aspects of the structure of atoms, how they bond and how this relates to their properties. Energy changes during reactions. The reactions and formation of acids and bases.

Nature's Chemistry: In this Unit pupils learn about fuels, their formation, their structure, their properties and uses and their impact on the environment. Alcohols, carbohydrates and useful products from plants will also be investigated.

Chemistry in Society:

This Unit covers the making, reactions and uses of metals and to conserve our supplies of this precious resource. Pupils will also learn about plastics, new and smart materials, fertilizers and their uses and impact on the planet. The final part of this Topic looks at Nuclear Chemistry and Chemical analysis techniques



For more detail see the SQA website listed below.

http://www.sqa.org.uk/files_ccc/CfE_CourseUnitSupportNotes_N4_Sciences_Chemistry.pdf

Teaching Methods: What will I do?

Much of the course will be teacher-led but you will also be required to undertake a variety of tasks including practical experiments and investigations, written work, research and presentation tasks. Some of these will be done individually, and some as part of a group.

Assessment: How will I be assessed?

Note – assessments are currently under review by the SQA and may be subject to change.

You will be assessed as follows:

- * Unit assessments, covering knowledge and understanding and problem solving
- * Investigation, including planning, carrying out and reporting on a practical investigation.
- * Assignment, including researching and reporting on an aspect of your choice within a relevant topic.

Homework.

You will be given home study tasks as and when required by the classwork. These may include practice questions for Unit tests or research for a task.

Progression in the Senior Phase.

High achieving and fully committed pupils could be recommended progression to National 5 level of study within a discrete science. Some students may wish to broaden their awards by studying another Science at National 4 level.