

Chemistry National 4

Award Received

National 4 Chemistry is graded **pass** or **fail**.



Entry Level: What do I need to do it?

Entry into N4 Chemistry will depend on your attainment in the S3 Science course. If you are going into S5/S6, entry will depend on your performance in your other National 4/5 courses.

If you wish to discuss your suitability, go see Mr Egginton or Mrs Robertson.

Course Content: What will I learn?

Chemical Changes and Structure

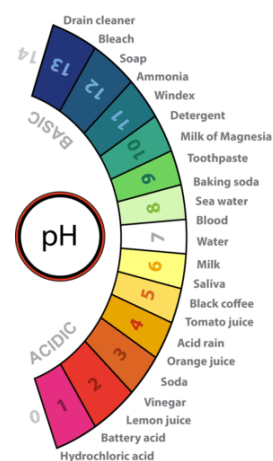
Rates of reaction

Energy changes in chemical reactions

Reactions of acids and bases and their impact on the environment

Chemical equations

Atomic structure and bonding related to properties of materials



Nature's Chemistry

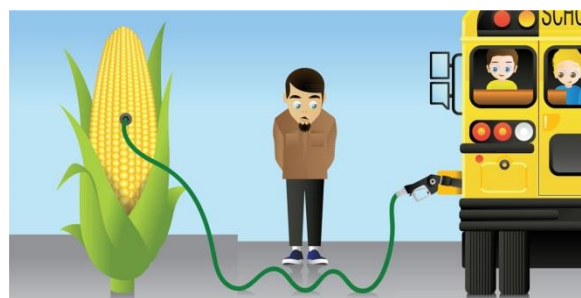
How fossil fuels are extracted and processed for our use

The chemistry of using fuels and their impact on the environment

Plants as a source of fuels

Carbohydrates and consumer products

How chemists use plants to develop everyday consumer products



Chemistry in society

Metals and alloys

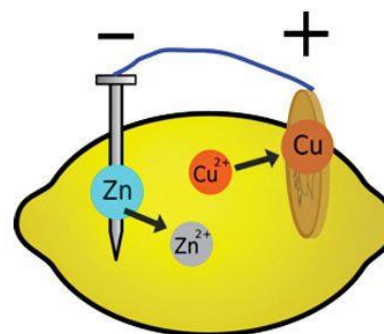
How metals are used in electric cells

Properties and uses of plastics and new materials

Use of fertilisers

Formation of the elements and background radiation

Chemical analysis for monitoring the environment.



Teaching Methods: What will I do?

Much of the course will be teacher-led ... but 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?

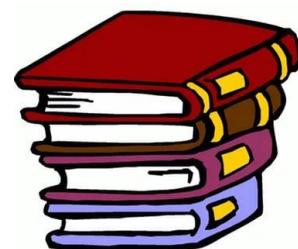
You will be assessed as follows ...

- ✓ Unit assessments, covering knowledge and understanding and problem solving.
- ✓ Investigation and a written report.
- ✓ Assignment, including researching and reporting on a relevant topic of your choice.
- ✓ End of Course Exam, although there is no SQA final exam you will be given an exam to help us decide whether or not progression to N5 is a suitable pathway for you.

Homework.

Tasks will include ... background reading, internet research and completing tutorial questions.

You must be able to ... stick to deadlines set in order to be fully prepared for scheduled assessments.



Progression in the Senior Phase.

High achieving and committed N4 Chemistry students will be expected to progress to the National 5 level of study.

