

DEPARTMENT

CHEMISTRY

LEVEL

NATIONAL 4

RECOMMENDED ENTRY LEVELS

Level 4 Chemistry

NB This is taught in the same class as National 5. Pupils will be encouraged to complete National 5 assessment if appropriate, if they are finding this challenging they will be recommended to complete all the National 4 assessment.

Chemistry National 4 units:

- Chemical Changes and Structure.
- Nature's Chemistry
- Chemistry in Society
- Added value unit

Methodology to promote the main aims of the subject is:

- Active learning tasks to develop scientific and analytical thinking skills in a chemistry context.
- Activities including practical work to promote problem solving skills.
- Develop an understanding of chemistry's role in scientific issues and relevance in society.

Homework:

This will be a mix of:

- developing and applying chemistry knowledge
- developing scientific and analytical thinking skills
- planning and designing experimental procedures
- research on chemistry issues and their impact
- pupils should make their own summary notes/mind maps each week to aid revision

Assessment:

All units will be internally assessed (either pass or fail) in a number of ways: a mix of knowledge and understanding tests, practical investigations and project presentations. There is a Value added unit for Nat 4 which is investigative/research work. Learners will investigate a topical chemistry issue using knowledge and skills drawn from Course and the social/environmental implications.

There is no final external exam for National 4

On successful completion of the National 4 Chemistry the pupil may progress to National 5 chemistry