

CHEMISTRY: NATIONAL 5

**3 UNITS: CHEMICAL CHANGES AND STRUCTURE
NATURE'S CHEMISTRY
CHEMISTRY IN SOCIETY
COURSE ASSESSMENT: ASSIGNMENT + QUESTION PAPER**



Course Entry Requirements

Pupils should consider this course if they have completed S3 Chemistry to a sufficient standard as indicated by the pupil's S3 report, achieved Level 4 Science, National 4 in the same course or have any other Science qualification at National 5 at A or B.

What skills will my child develop?

- application of knowledge to new situations and a more advanced understanding of chemistry and its impact
- scientific inquiry and investigation skills
- scientific analytical thinking skills
- the ability to use technology, equipment and materials
- questioning and independent thinking
- problem-solving in a chemistry context
- using and understanding scientific literacy in everyday contexts
- planning experiments to test hypotheses or illustrate effects
- recording observations
- collecting, processing and analysing data
- making predictions and generalisations based on evidence
- drawing valid conclusions with explanations and evidence

WHAT WILL MY CHILD EXPERIENCE DURING THE COURSE?

- Active, collaborative and independent learning
- A blend of classroom approaches: practical tasks (experiments and open-ended investigations); whole class, small group or one to one discussions; direct interactive teaching
- Space for personalisation and choice
- Collaborative learning: partnerships with learners in other curriculum areas; links with businesses, employers, organisations
- Applying learning to new situations
- Embedding literacy skills: selecting and assessing information, presenting findings; evaluating; debating; listening; reading; writing
- Embedding numeracy skills: recording and displaying data in graphs/ tables; accuracy; interpreting and assessing data; using technologies.

Assessment

- To gain National 5 Chemistry, learners must pass the Assignment and Question Paper (final exam)
- National 5 Chemistry is graded from A to D or as No Award.

Question Paper 2 hours 30 minutes (100 marks)

- Section 1: Multiple choice questions (25 marks)
- Section 2: Restricted and extended response questions (75 marks)

Assignment (20 marks)

- An investigation into a relevant chemistry topic, with findings written up under exam conditions.

Progression National 5 progresses onto;

- Higher in the same course (if National 5 grade is A or B)
- National 5 in any other science course (if National 5 grade is C or lower)