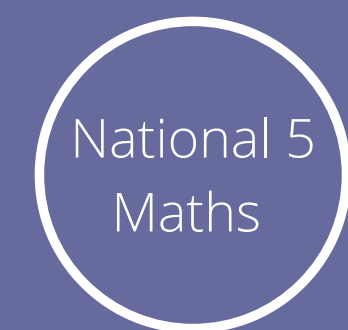# Application of Maths
National 5

Entry Requirements

Learners should have achieved the 4th curriculum level of the BGE or a Pass at either the National 4 Mathematics course or the National 4 Applications of Mathematics course by achieving at least 70% in the Added Value Unit.

Progression through Maths

National 5 Maths

Achievement of this course gives automatic certification of Numeracy @ SCQF 5

Achieving an A – C award allows the learner to progress to doing National 5 Mathematics

Course Content

Expressions and Formulae
Learners will develop skills linked to mathematical expressions and formulae. These include the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae.

Mathematics: Relationships
Learners will develop skills linked to mathematical relationships. These include solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes.

Mathematics: Applications
Learners will develop skills linked to applications of mathematics. These include using trigonometry, geometry, number processes and statistics within real-life contexts.

Skills Developed

We aim to support pupils in their development of skills for life and work by:
- building confidence in numeracy
- improving problem solving skills and levels of logical thought
- supporting lifelong learning through encouraging the development of skills in independent study
- developing personal responsibility by raising awareness of personal finance issues
- developing skills in working together through collaborative tasks and social goals
- encouraging the appropriate use of ICT
- encouraging clear, correct verbal and written communication

Assessment

To gain the award of the course, the learner must pass the course assessment (external examination which is graded A – D). The structure is as follows:

Question Paper 1 (non-calculator)
1 hour, 15 minutes - 50 marks

Question Paper 2
1 hour, 50 minutes - 60 marks

Related Careers

A sound grasp of Maths is useful in most jobs but some popular career paths include:

- Accountant
- Data Analyst
- Statistician
- Maths teacher
- Engineering
- Banking and Financial Services
- Retail
- Research scientist

It may surprise you to know that Michael Jordon, Brian May, Dara O'Briain, Carol Vorderman and Donald Trump all studied maths!