

Mathematics - National 5

Award Received

National 5 Mathematics and Level 5 Numeracy (SCQF Level 5)

Entry Level: What do I need to do it?

Entry to this course is at the discretion of the school. However, pupils would normally be expected to have gained the appropriate level of entry qualification and attained the skills and knowledge required as follows:

- Prior learning in S1-S3 will allow entry to National.
- National 4 allows entry to National 5. (Pupils progressing from National 4 should be aware a 2 year National 5 course is a possibility.)

Course Content: What will I learn?

Learners will acquire and apply operational skills necessary for developing mathematical ideas through symbolic representation and diagrams. Learners will develop mathematical reasoning skills and will gain experience in making informed decisions.

Mathematics: Expressions and Formulae

The general aim of this Unit is to 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

The general aim of this Unit is to develop skills linked to straightforward mathematical relationships. These include solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes.

Mathematics : Applications

The general aim of this Unit is to develop skills linked to applications of mathematics. These include using trigonometry, geometry, number processes and statistics within real-life contexts.

Throughout the course you will develop your numeracy skills to the level required for 5 Numeracy.

Teaching Methods: What will I do?

Teaching methods will include:

- Class Discussions
- Retrieval Practice
- Independent consolidation work
- Paired/Group work
- Flipped learning activities when appropriate.

Assessment: How will I be assessed?

The course consists of 3 unit assessments and a final exam. The final exam consists of two papers a non-calculator and calculator paper. The exam is externally assessed by the SQA.

Homework.

There will be 2 hours of homework to complete every week.

Progression in the Senior Phase.

Higher Mathematics (SCQF Level 6)