

Mathematics National 4

Award Received

Successful completion of your S4 Mathematics course and exam will allow you to attain a National 4 Mathematics qualification.

National 4 is Graded either as a Pass or a Fail.

Entry Level: What do I need to do it?

The level at which you study Mathematics in S4 will be decided based on your attainment and achievement in the S1-S3 Mathematics course.

Your Mathematics teacher will help you to decide which level of study is most appropriate.

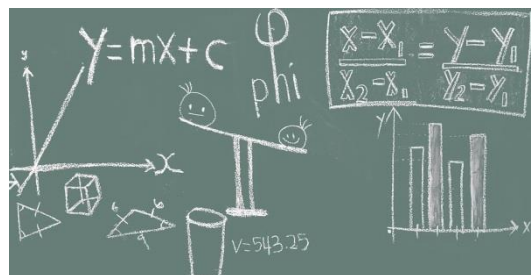
Course Content: What will I learn?

National 4 Mathematics

Course structure

You will acquire and apply operational skills necessary for developing mathematical ideas through symbolic representation and diagrams. You will select and apply mathematical techniques and will develop your understanding of the interdependencies within mathematics. You will develop mathematical reasoning skills and will gain experience in making informed decisions.

(For more information go to: <http://www.sqa.org.uk/sqa/47417.html>)



Mathematics: Expressions and Formulae (National 4)

The general aim of this Unit is to develop skills linked to straightforward mathematical expressions and formulae. These include the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae. The Outcomes cover aspects of algebra, geometry, statistics and reasoning.

Mathematics: Relationships (National 4)

The general aim of this Unit is to develop skills linked to straightforward mathematical relationships. These include solving equations, understanding graphs and working with trigonometric ratios. The Outcomes cover aspects of algebra, geometry, trigonometry, statistics and reasoning.

Mathematics: Numeracy (National 4)

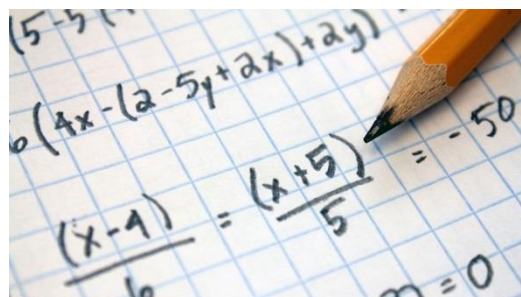
The general aim of this Unit is to develop learners' numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement. As learners tackle real-life problems, they will decide what numeracy skills to use and how to apply these skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to straightforward real-life problems involving money, time and measurement. Learners will use their solutions to make and explain decisions

Mathematics Test (National 4)

This is the Added Value Unit of the National 4 Mathematics Course. The general aim of this Unit is to enable the learner to provide evidence of added value for the National 4 Mathematics Course through the successful completion of a test which will allow the learner to demonstrate breadth and challenge

Teaching Methods: What will I do?

- Class Discussion
- Problem Solving tasks
- Group work
- Presentations
- Practise exercises
- Computer based tasks



Assessment: How will I be assessed?

You will undertake block assessments and A/B tasks to track your progress

Unlike other National 4 course there is a final exam that consists of two papers. Paper 1 is non-calculator and Paper 2 is a calculator exam.

Homework.

There will be regular Homework throughout the course to develop your skills. It is essential that you complete this homework to the Highest standard to allow you the best opportunity to succeed in the final exam. Homework will range from completing exercises set in class, topic based homework tasks, video lessons, and A/B level block homeworks covering final test standard questions.

Progression in the Senior Phase.

Gaining a good Pass at National 4 in Mathematics will allow you to progress onto National 5 Mathematics. It is also important to state that a National 4 at Mathematics is also a minimum entry requirement to many College courses and apprenticeships.