

Curricular Area: Mathematics

Course Title: Mathematics National 4

Course Description

This course provides suitable progression for students who have completed National 3 Lifeskills Mathematics or for those who have completed National 4 Lifeskills.

Ownership of a scientific calculator is vital for this course. We recommend the “Casio fx-83GT PLUS” which can be purchased from your Maths teacher for £6.

National 4 Mathematics is delivered in three units providing students with the opportunities to develop and apply a range of mathematics skills. The outcomes cover aspects of algebra, geometry, statistics, trigonometry and reasoning.

The three units of the National 4 Mathematics course are:

- Numeracy

The aim of this unit is to develop students’ numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement.

- Expressions & Formulae

The 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 evaluations of formulae.

- Relationships

The aim of this unit is to develop skills linked with straightforward mathematical relationships. These include solving equations, understanding graphs and working with trigonometric ratios.

To achieve the National 4 Mathematics qualification, students must pass all of the required units, including the Added Value Unit.

Assessment

Each unit will be assessed internally. All individual assessment standards must be met for students to gain a whole course award. The course is internally assessed at the end of the year by means of an Added Value Unit test.

Homework expectations:

Students can be expected to be regularly asked to revise classwork and course notes, finish off questions between lessons and complete formal hand-in homework. Homework may be issued in a variety of forms which may include Edmodo assignments, practice assessments and/or printed worksheets.

Possible next level of study

Students may consider a lateral move to National 4 Lifeskills Mathematics or progression on to National 5 Mathematics.