

Course Description

This course is suitable for students who have excelled at National 4 Mathematics.

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 5 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 number, algebra, geometry, statistics, trigonometry and reasoning.

- Expressions & Formulae

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

- Applications

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

Assessment

Each unit will be internally assessed with external verification. The Scottish Qualifications Authority stipulates that students are only allowed one re-assessment opportunity for each of the Unit Assessments; therefore these assessments must be revised for thoroughly and taken seriously by all students hoping to achieve this qualification.

The final course assessment will take the form of an external SQA examination. Students will be assessed on the entirety of the National 5 Mathematics course.

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 will be issued in a variety of forms which may include Edmodo assignments, practice assessments, past paper questions and printed worksheets.

Possible next level of study

Following successful completion of National 5 Mathematics students may progress on to Higher Mathematics.