

National 5 Mathematics (Course Code: C847 75)

SCQF Level 5 (24 Credit Points)

Why study Mathematics?

Mathematics is important in everyday life, allowing us to make sense of the world around us and to manage our lives. Using mathematics enables us to model real-life situations and make connections and informed predictions. It equips us with the skills we need to interpret and analyse information, simplify and solve problems, assess risk and make informed decisions.

You will also get to develop skills in the areas of algebra, geometry and trigonometry.

What do I need to get in?

You would normally have achieved:

Satisfactory progress through the Fourth Level Mathematics course

What will I study?

In this course you will build on your previous mathematical experience. You will learn and apply operational skills you need to develop mathematical ideas through symbolic representation and diagrams. You will select and apply mathematical techniques, and learn about the interdependencies within mathematics. You will develop your mathematical reasoning and problem-solving skills. And you will get experienced in making informed decisions.

The course comprises **three** areas of study.

You will:

- develop skills linked to mathematical **Expressions and Formulae**, such as manipulating abstract terms, simplifying expressions and evaluating formulae
- learn aspects of number, algebra, geometry and reasoning.
- develop skills linked to mathematical **Relationships**, including solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes
- learn aspects of algebra, geometry, trigonometry and reasoning.
- develop skills linked to **Applications** of mathematics, including trigonometry, geometry, number processes and statistics within real life contexts
- learn aspects of trigonometry, geometry, number processes, statistics and reasoning.

How will I be assessed?

Course Assessment

The course assessment has **two** components **totalling 90 marks**:

- Component 1: question paper 1 (non-calculator) – worth 40 marks
- Component 2: question paper 2 (calculator) – worth 50 marks.

The question papers will be set and marked externally by the Scottish Qualifications Authority (SQA).

The grade awarded is based on the total marks achieved across all course assessment components.

The course assessment is graded A-D.

For further information see [National 5 Mathematics - Course overview and resources - SQA](#)

Study Materials

- [SQA Past Papers Mathematics National 5](#)
- [SQA Specimen Paper Mathematics National 5 \(paper 1 – non-calculator\)](#)
- [SQA Specimen Paper Mathematics National 5 \(paper 2\)](#)
- [SQA Understanding Standards Mathematics](#)
- [BBC Bitesize National 5 Mathematics](#)
- [Ushare Study Resources](#)
- [Free National 5 Maths](#)
- [SQA Question Bank - Dynamic Maths](#)