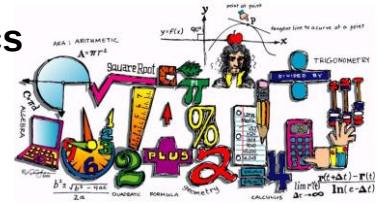
# S5/6 National 4 Applications of Mathematics




National 4 Applications of Mathematics is assessed pass or fail.

## ENTRY LEVEL – What do I need to do it?

A pass at N3 Applications of Mathematics in S4 or S5 is required to access this course in S5/6.
Your mathematics teacher will help you to decide which level of study is the most appropriate, please just ask.

Due to the small numbers of young people eligible and choosing this course, students are taught in an S4-S6 Class.

## COURSE CONTENT – What will I learn?

### National 4 Applications of Mathematics

**Course structure**
This Course will develop skills for further learning, as well as skills for learning, life and work.

**Mathematics: Managing Finance and Statistics (National 4)**
Working with the topics within this unit of you will learn to select information, analyse real life situations and apply the skills learned to problems in the areas of finance and statistics. You will develop skills to interpret data and learn to display, read and understand information displayed in different graphical forms.

**Mathematics: Geometry and Measure (National 4)**
Working with the topics within this unit of you will learn to select and apply skills in measurement and geometry and will learn to work to a relevant degree of accuracy, numerically and in measurement.

**Numeracy (National 4)**
The general aim of this Unit is to develop numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement. As you tackle real-life problems, you will decide what numeracy skills to use and how to apply these skills to an appropriate level of accuracy. You will also interpret graphical data and use your knowledge and understanding of probability to identify solutions to straightforward real-life problems involving money, time and measurement. You will use your 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 you to provide evidence of added value for the National 4 Mathematics Course through the successful completion of a test which will allow you to demonstrate breadth and challenge.

## TEACHING METHODS – What will I do?

The National 4 Applications of Mathematics course is application based, with the work being covered in a real-life context. Teaching methods will include:

• Class discussion
• Written tasks including research
• Group work
• Role play
• Giving presentations (individual or group)

## ASSESSMENT

### National 4 Applications of Mathematics

You will undertake 3 unit assessments:

- Finance and Statistics
- Geometry and Measure
- Numeracy

You will also undertake the Added Value Unit test. The test will consist of two parts:

Part 1 will consist of approximately five questions. These questions will be suitable to assess mathematical operational skills without the aid of a calculator. The test will have a time allocation of 20 minutes.

Part 2 will consist of approximately eight questions, four of which will require reasoning skills. In this part of the test a calculator can be used. The test will have a time allocation of 40 minutes.

## HOMEWORK

You will be given regular homework. Homework will be communicated to you in class and through the Satchel One app on your iPad. Extra study will also be required at assessment times.

## PROGRESSION IN THE SENIOR PHASE

Students who pass National 4 Applications of Mathematics may progress to National 5 Applications of Mathematics.

## COSTS

This course carries no cost implication. A fee will be charged to replace any lost books or printed materials. You will be expected to bring a calculator, pen/pencil and ruler to every lesson.