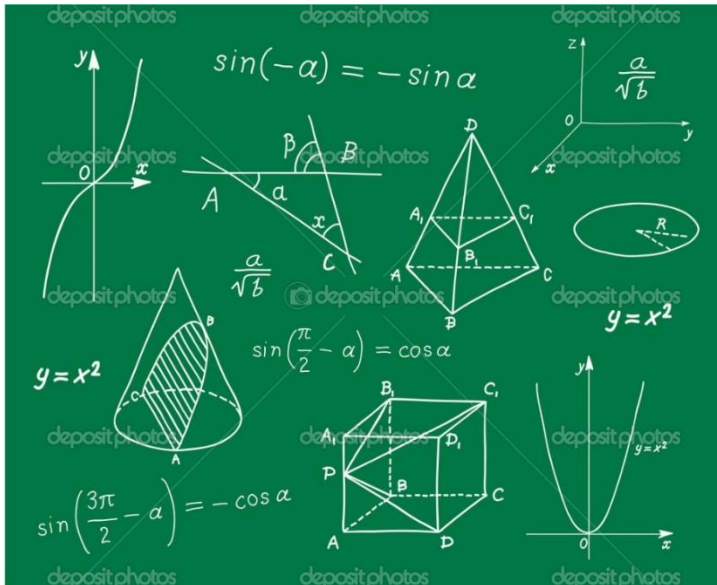


N5 MATHEMATICS

N5 NUMERACY

N4 MATHEMATICS



Aims

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.

The courses aims to:

- ◆ motivate and challenge candidates by enabling them to select and apply mathematical techniques in a variety of mathematical and real-life situations
- ◆ develop confidence in the subject and a positive attitude towards further study in mathematics
- ◆ develop skills in manipulation of abstract terms to generalise and to solve problems
- ◆ allow candidates to interpret, communicate and manage information in mathematical form: skills which are vital to scientific and technological research and development
- ◆ develop candidates' skills in using mathematical language and in exploring mathematical ideas
- ◆ develop skills relevant to learning, life and work in an engaging and enjoyable way.

Progression into this Course

Entry to these courses is at the discretion of the centre and will be determined by learners' prior attainment. Learners would normally be expected to have attained the skills and knowledge required by the following or by equivalent experience:

Entry to:

National 5 Maths - National 4 Mathematics or National 5 Numeracy

National 5 Numeracy - National 4 Mathematics

National 4 Mathematics - National 3 Mathematics

Progression from this course/Careers

This course may provide progression to other qualifications in Mathematics or related areas, further study, employment or training.

Course Content

National 5 Mathematics

The following provides a broad overview of the subject skills, knowledge and understanding developed in the course:

- understand and use mathematical concepts and relationships
- select and apply numerical skills
- select and apply skills in algebra, geometry, trigonometry and statistics
- use mathematical models
- use mathematical reasoning skills to interpret information, to select a strategy to solve a problem, and to communicate solutions.

National 5 Numeracy

Learners who complete this unit will be able to:

- Use numerical skills to solve real-life problems involving money/time/measurement
- Interpret graphical data and situations involving probability to solve real-life problems involving money/time/measurement

National 4 Mathematics

This course is delivered as 3 units:

Expressions and Formulae

The outcomes cover aspects of algebra, geometry, statistics and reasoning.

Relationships

The outcomes cover aspects of algebra, geometry, trigonometry, statistics and reasoning.

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.

Course Assessment

National 5 Mathematics

SQA assessments in May, both containing short-answer and extended-response questions.

Paper 1 (Non Calculator)

(50 marks: 1 hour and 15 minutes)

Paper 2 (Calculator)

(60 marks: 1 hour and 50 minutes)

National 5 Numeracy

Learners will sit an internal Unit Assessment at the end of this unit of work.

National 4 Mathematics

Learners will sit four internal assessments: 3 Unit Assessments plus the Added Value Assessment which covers the whole course.