

The Maths course in S3 is based on the Experiences and Outcomes of Curriculum for Excellence at 3rd and 4th levels and lay the foundation for further study in S4.

Course Outline

Mathematics courses are divided into three broad areas of study:

- **Number, Money and Measure** includes working with whole numbers, decimals, fractions and percentages. We study negative numbers, multiples, factors, powers and roots. This section includes skills in personal finance, managing time and measure length, area and volume. The relationship between speed, distance and time is explored. We cover a variety of algebra skills including solving equations, working with expressions and using formulae.
- **Shape, Position and Movement** covers the properties of 2D and 3D shapes, Pythagoras and Trigonometry, co-ordinates, scale drawings and navigation.
- **Information Handling** includes collecting, interpreting and displaying data, analysing data and drawing conclusions and understanding probability.

Assessment

Pupil work will be continually assessed in a variety of ways and feedback on progress will be shared throughout S3 and S4.

Blocks 7 and 8 focus primarily on Numeracy encompassing Level 3 & 4 along with National 4 and National 5 content.

Block 9 and 10 focus on Algebraic and Geometrical skills and all pupils will sit assessments at National 4 and/or National 5 during this time.

These assessments, along with the continual monitoring of classwork and homework will help to ensure that pupils are embarking upon the correct course as they enter the Senior Phase in S4.

Aims and Objectives

We aim to support pupils in their development of skills for life and work by:

- building confidence in numeracy
- improving problem solving skills and levels of logical thought
- supporting lifelong learning through encouraging the development of skills in independent study
- developing personal responsibility by raising awareness of personal finance issues
- developing skills in working together through collaborative tasks and social goals
- encouraging the appropriate use of ICT
- encouraging clear, correct verbal and written communication.

Progression

Pupils will progress from 3rd and 4th Level outcomes into National 3/4 Applications of Maths, National 5 Applications of Maths, National 4 Maths or National 5 Maths depending upon

progress made throughout S3. In S4, they will be involved in formal SQA assessments which all involve internal unit assessment and may involve exams, project work, or a combination of both, depending upon the subject and level of study.