

The Maths course in S1 and S2 is based on the Experiences and Outcomes of Curriculum for Excellence at 2<sup>nd</sup> and 3<sup>rd</sup> levels with many learning at 4<sup>th</sup> level and beyond.

## 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 S1 and S2

Pupils will sit a diagnostic assessment at the start of each block of work to diagnose prior learning and to evaluate strengths and weaknesses within these topic areas. This enables the teacher to tailor learning and teaching for the class and/or individual pupils. Depending on pupil performance in the diagnostic assessments, at the end of the block, they will sit an assessment at the same CfE level or an assessment at the level above. During this time, we look at class suitability based on classwork, assessment results and any other holistic evidence, making minor changes if necessary.

## 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 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Level outcomes to learning within 3<sup>rd</sup>, 4<sup>th</sup> and extended learning in S3.