Mathematics Department
Senior Phase Courses

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.

Applications of Mathematics

N4 (SCQF Level 4)
N5 (SCQF Level 5)
H (SCQF Level 6)

Courses enables learners to apply mathematical ideas and strategies, providing learners with the knowledge and understanding to manage finances, statistics, geometry and measurements in a real-life contexts.

What skills will you develop?
- the ability to select and apply mathematical skills to real-life problems or situations
- the ability to interpret real-life situations and problems involving mathematics
- identify and apply appropriate mathematical operational skills to tackle real-life situations or problems
- confidence in the subject and a positive attitude towards the use of mathematics in real-life situations
- use mathematical operational skills to an appropriate degree of accuracy
- use mathematical reasoning skills to assess risk, draw conclusions or explain decisions
- communicate mathematical information in an appropriate way

Mathematics

N4 (SCQF Level 4)
N5 (SCQF Level 5)
H (SCQF Level 6)
AH (SCQF Level 7)

Mathematics is rich and stimulating and develops logical reasoning, analysis, problem solving skills, creativity and the ability to think in abstract ways.

What skills will you develop?
- understanding and applying mathematical skills in algebra, geometry, trigonometry and statistics
- simplifying and solving problems
- selecting and applying mathematical techniques to real-life contexts
- making connections and informed predictions
- using mathematical language and exploring mathematical ideas
- resilience and confidence in problem-solving
- analytical and evaluative skills
- interpreting, communicating and managing information in mathematical form
- logical reasoning skills
- assessing risk and making informed decisions
- creativity and the ability to think in abstract ways
- the manipulation of abstract terms to solve problems and generalise

Wider Achievement

Statistics Unit (SCQF Level 6)

Learners who complete this Unit will be able to
- use statistical skills in real-life contexts
- produce a statistical analysis on given data set(s)

Numeracy Units (SCQF Levels 3, 4 and 5)

These Units are designed to develop learners' numerical and information handling skills so they can solve problems in real life.

Personal Finance (SCQF Levels 4 and 5)

This award will prepare learners for financial decision making and managing personal finances throughout their lives.