

St Patrick's Academy

GCSE Subject Choice

Subject Information for students:

Subject: GCSE Additional Mathematics

What the subject is about:

Additional Mathematics extends your mathematical knowledge and skills beyond GCSE Higher and provides an excellent preparation for AS mathematics.

Course content and assessment schedule:

Paper	Duration	% of total	
1	2 hours	50%	Paper 1 Pure maths. This paper covers topics such as Algebra:- Solving equations in 2 or 3 unknowns Matrices Logarithms Trigonometry Differentiation Integration
2	2 hours	50%	Paper 2 Mechanics and Statistics Mechanics relates to work studied in other subjects such as science. It covers topics such as Newton's Laws, Moments, Friction and Velocity/time graphs. Statistics relates to how we collect and interpret data. It covers topics such as standard deviation, Spearman's rank and time series.

Entry Requirements

Those selected to take Additional Maths will have a strong track record in maths since Year 8 and will have achieved a high level in the KS3 examination.

Attributes needed to succeed in the course

- A high level of mathematical ability (level 7 or 8 at KS3)
- An interest in working at mathematics
- A high level of motivation to succeed.
- The habit of constantly revising work done in class.
- Willingness to practice topics already taught in class and working through past paper questions