

A Level Mathematics

Location:	The International School	Duration:	2 years
Level of course:	Level 3	Exam board:	Edexcel

Are there any entry requirements?

You will need 5 A*- C grades including English and Maths and a Mathematics GCSE grade B (at higher tier) is also required.

What will I study?

Core Mathematics

Builds on and extends the knowledge gained at GCSE, covering algebra, trigonometry, geometry and introduces new topics, including differentiation, integration, logarithmic and exponential functions, series etc.

Mechanics

Statics – the study of the forces in objects and systems which do not move and dynamics – looking into the motion of particles and systems, including forces, velocity and acceleration. This option is particularly relevant to students taking physics, chemistry, technology etc.

Assessment: How will I be assessed?

All modules are assessed by written examination only. All modules carry equal weighting of 16 2/3%. Three (AS) modules will be examined in Year 12 and 3 (2 A2 and 1 AS) modules in Year 13.

What can I do after this course?

Study of advanced mathematics develops your powers of analysis, reasoning and logical thought and trains the mind in the essential processes of problem solving. The mathematics department has a great record of success at A level with many students going on to degrees in mathematics or related subjects.

Further details

Very able students may have the opportunity to study extra modules and go on to complete Further Mathematics as another full A level.

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