

Mathematics

Subject Leader: Mr C. Palmer
Exam Board: Edexcel
A Level

Students applying to A Level Mathematics are expected to have achieved a minimum of Grade 7 in Maths and a Grade B in Physics, where students have studied Double Science Grade A is expected.

September 2017 sees a reorganisation of the Maths A Level; students will study two branches of Mathematics; Pure and Applied.

In Pure, students will cover a range of topics including; Proofs, Coordinate Geometry, Advanced Trigonometry, Differentiation, Integration, Exponentials and Logarithms and Vectors

In Applied, students must cover topics from both Mechanics and Statistics and therefore a strong knowledge of Physics is essential. Topics will include: Sampling, Probability, Hypothesis Testing, Kinematics and Forces and Newton's Laws.

Taking mathematics at A level will give you the opportunity to develop your powers of reasoning, mathematical techniques, thinking skills and imagination with regard to solving problems. This is a subject which becomes increasingly fascinating as you study it at higher levels. The power and yet simplicity of some of the concepts and ideas you will meet may surprise you. The skills that you will acquire on this course are extremely useful and you will be introduced to areas of mathematics that are commonly used in fields as diverse as biology, chemistry, physics, economics, psychology, computing and engineering.

Method of Assessment:

There are three papers at the end of year 13 – Pure 1, Pure 2 and Applied (all 2 hours)