Maths

Why study MATHEMATICS?

Mathematics has served humanity in our quest to understand the world and extend the possibilities that this ever-changing world can offer. Mathematics underpins the atomic fabric of the universe: the principles and patterns of allow us to search for meaning in the universe with greater precision.

Studying A level Mathematics will raise your confidence to tackle and solve increasingly complex abstract and real-life problems. Mathematics helps you develop your abilities to be creative, think with clarity and reason logically

research has shown that students who have manded in A level Mathematics courses earn around 10% more than students who have not studied the subject.

Exam Board: Edexcel

A Level
Three exams papers are taken for an award in A level Mathematics. Papers 1 and 2 assess pure examination papers are equally weighted and last 2 hours. Calculator usage is allowed in all three papers.

Overview of content of A level papers:

Paper 1
Proof; Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; trigonometry; exponentials and logarithms; differentiation; integration; vectors

Paper 2

Paper 3
Section A: Statistics

distributions; interpretation; probability; statistical

Quantities and units in mechanics; kinematics; forces and Newton's laws; moments

Which activities will I be engaged in during the course?

...compute summary statistics and access probabilities from standard statistical distributions.

Self-evaluati... ...understanding and misconceptions within a topic and taking actions to address any shortfall.

Thinking and communicating with clarity using subject specific vocabulary.