

Mathematics

A Level

Edexcel

What will I learn?

A-level mathematics is now linear and it will run for two years.

AS Mathematics will be a stand- alone qualification and will run for one year.

You will study Pure Mathematics (67%) alongside Statistics and Mechanics (33%). This leads to an A Level Mathematics qualification. All the content is compulsory.

AS Mathematics (1 year course Edexcel) Pure content for Paper 1): Proof, algebra and functions, coordinate geometry in the (x,y) plane, sequences and series, trigonometry, exponentials and logarithms, differentiation, integration and vectors.

AS Mathematics (1 year course Edexcel) Applied Content for Paper 2:

Section A- Statistics: Statistical sampling, data presentation and interpretation, probability, statistical distributions and statistical hypothesis testing.

Section B- Mechanics: Quantities and units in mechanics, Kinematics, forces and Newton's laws.

A-Level Mathematics (2 years course Edexcel):

Pure Content for Paper 1: Same as AS Mathematics.

Pure Content for Paper 2: Proof, algebra and functions, co-ordinate geometry in the (x,y) plane, sequences and series, trigonometry, differentiation, integration, numerical methods and vectors.

A-level mathematics (2 years course Edexcel): Applied Content for Paper 3:

Section A- Statistical sampling, data presentation and interpretation, probability, statistical distributions and statistical hypothesis testing.

Section B – Quantities and units in mechanics, Kinematics, forces, Newton's laws and moments.

Assessment

Exams

Course requirements

A minimum of six grade 4-9 GCSE passes, including a 6 in Maths.