



Mathematics

Edexcel

Subject Leader:

Dr S Parsons

Course structure and content

The Pearson Edexcel Level 3 Advanced GCE in Mathematics consists of three externally examined papers. Two of these papers have content that is known as Pure Mathematics. The third paper has content called Applied Mathematics which is split into 2 sections – Statistics and Mechanics.

The topics for Paper 1 include Proof, Algebra and Functions, Coordinate Geometry in the (x,y) plane, Sequences and Series, Trigonometry, Differentiation, Integration and Vectors. For Paper 2 there is a Numerical Methods topic plus most of the topics in Paper 1 covered in more depth.

Mechanics and Statistics are examined in Paper 3. The topics for Statistics are Statistical Sampling, Data Presentation and Interpretation, Probability, Statistical Distributions and Statistical Hypothesis Testing. The Mechanics topics are Quantities and Units in Mechanics, Kinematics, Forces and Newton's Laws and Moments.

Course commitment

To be successful in this subject, students need to be hard working, motivated and be willing to work in their own time. Students will be provided with support throughout their studies.

Entrance requirements

Automatic entry: Grade 6 in Mathematics

Students not achieving this entrance requirement may on occasion be admitted by interview, based on academic performance, approach to learning and course suitability.



Students will be expected to provide

All students taking A Level Mathematics will need to purchase a scientific calculator and textbooks.

Progression routes

University courses in allied subjects e.g. Accountancy, Computer Studies, Teaching, Business Studies and Engineering all follow logically from success at A Level in Mathematics. Employment opportunities in areas such as finance and banking are also available.

Further information

Your course teachers are Dr Parsons and Mr Watkins who can be contacted on the number below.

Further course details are available at www.edexcel.com.

How to apply

You can download an application form by visiting the Sixth Form area of the school website at:

www.waseleyhills.worcs.sch.uk

Otherwise, contact us direct on 0121 457 4767.

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