

Curriculum Information for Parents

Key Stage 5 Mathematics

Learning Leader Contact Information		Phone: 01604 862125	Email: lisa.storey@ewsacademy.org.uk
Examination Board	AQA	Specification Code	7357

Subject Content

All topics listed are for guidance only. Areas may be moved forwards or backwards as necessary to suit class. Two topics may be covered simultaneously as two teachers are involved.

Y12 Term 1
Algebraic Manipulation, Quadratic Equations & Simultaneous Equations
Graphs, Linear & Quadratic Inequalities
Straight Lines & Circles
Binomial Expansions
Differentiation
Y12 Term 2
Differentiation
Integration
Trigonometry
Y12 Term 3
Vectors
Proof
Exponentials & Logarithms
Y12 Term 4
Statistical Sampling
Data Presentation & Interpretation
Probability & Statistical Distributions
Statistical Hypothesis Testing
Y12 Term 5
Kinematics in One Dimension
Forces & Newton's Laws
Y12 Term 6
Statistical Distributions
Analysis of Data using Statistical Packages
Y13 Term 1
Binomial Theorem, Sequences & Series
Trigonometry & Circular Measure
Functions & Transformations
Further Differentiation
Y13 Term 2
Further Integration
Numerical Methods
Parametric Equations

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Y13 Term 3
Trigonometry
Partial Fractions & Integration
Differential Equations
Y13 Term 4
Kinematics in Two Dimensions
Equilibrium & Resolving
Statics & Dynamics
Y13 Term 5
Further Probability
Statistical Distributions
Statistical Hypothesis Testing
Additional Equipment Required: Students are expected to have a suitable scientific calculator. Minimum - Class wizz Fx991ex however the Fx9860GII would enable students to upload the data to the computer for analysis.
Assessment Details
The exam is a terminal exam. A Level This involves 3 papers each 2 hours with equal weighting of 100 marks. The 3 papers are Core, Core and Mechanics, Core and Statistics.
What can I do to support my child at home?
Encourage completion of homework promptly Encourage to discuss any issues/ problems with class teacher

Recommended resources for the course:			
Teaching Staff Contact Details			
Name	Role	Email	Tel
Sue Christopher	KS5 Lead	Sue.christopher@ewsacademy.org.uk	01604 862125
Adam Preston	Learning Lead South	Adam.preston@ewsacademy.org.uk	01908 563468
Reva Cope	KS4 Lead	Reva.cope@ewsacademy.org.uk	01908 563468
Additional Information:			