



# Maths A Level

Prepared by: R King

 **Exam Board: Pearson Edexcel**

 **Course Specification**  
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 **Course Text Books**

AS and A level Mathematics Pure Mathematics Year 1/AS Textbook ISBN: 978-1292183398

A level Mathematics Pure Mathematics Year 2 Textbook ISBN: 978-1292183404

AS and A level Mathematics Statistics & Mechanics Year 1/AS Textbook ISBN: 978-1292232539

A level Mathematics Statistics & Mechanics Year 2 Textbook ISBN: 978-1446944073

 **Course Revision Guides**

A-Level Maths Edexcel Complete Revision & Practice ISBN: 978-1782948087

A-Level Maths Edexcel Exam Practice Workbook ISBN 978-1782947400

A-Level Maths Edexcel Practice Papers ISBN: 978-1789080636

 **Calculator Requirement**

Casio Calculator fx991CW

 **Examinations**

Summer Year 13

Paper 1 Pure Maths	2hrs	33.3%
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Paper 2 Pure Maths	2hrs	33.3%
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Paper 3 Statistics and Mechanics	2hrs	33.3%
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# Curriculum



## Year 12

Term 1	<p>Topic 1 Proof</p> <p>Topic 2 Algebra and functions</p> <p>Topic 3 Coordinate geometry in the plane</p> <p>Calculus - Differentiation</p> <p>Calculus - Integration</p> <p>Topic 5 Trigonometry</p>	ALT Report October
Term 2	<p>Applied</p> <ul style="list-style-type: none"> <li>• Sampling, data, presentations and interpretation</li> <li>• Kinematics</li> <li>• Forces and Newtons Laws</li> <li>• Probability</li> </ul>	Progress 1 Report November
Term 3	<p>Binomial Expansion</p> <p>Exponential and Logarithms</p> <p>Vectors</p>	<p>In Class Assessments January</p> <p>Progress 2 Report January</p>
Term 4	<p>Applied</p> <ul style="list-style-type: none"> <li>• Statistical Distributions</li> <li>• Statistical Hypothesis Testing</li> </ul>	
Term 5	<p>Topic 2 Algebra and Functions</p> <p>Topic 5 Trigonometry</p> <p>Topic 7 Differentiation</p> <p>Topic 6 Exponentials and logarithms</p>	<p>End of Year Exams Apr/May</p> <p>Progress 3 Report May</p>
Term 6	<p>Topic 5 Trigonometry cont.</p> <p>Topic 7 Differentiation</p> <p>Topic 9 Numerical methods</p>	

## Year 13

Term1	<p>Topic 1 Proof</p> <p>Topic 5 Trigonometry</p> <p>Topic 4 Sequences and Series</p> <p>Topic 10 Vectors</p> <p>Topic 8 Differentiation</p> <p>Parametric Equations</p>	ATL Report October
Term 2	<p>Applied</p> <ul style="list-style-type: none"> <li>• Mechanics</li> <li>• Dynamics</li> <li>• Moments</li> </ul>	Progress 1 Report November
Term 3	<p>Integration</p> <p>Numerical Methods</p>	<p>Mock Exams January</p> <p>Progress 2 Report January</p>
Term 4	<p>Applied</p> <ul style="list-style-type: none"> <li>• Correlation and regression</li> <li>• Probability 2</li> <li>• The Normal Distribution</li> </ul>	
Term 5	Examinations	Examinations
Term 6	Examinations	Examinations