

Key Stage 4 Curriculum Overview 2025-7

		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
		AUTUMN 1 (21)	AUTUMN 2 (24)	SPRING 1 (13)	SPRING 2 (21)	SUMMER 1 (14)	SUMMER 2 (19)
Year 10H Overview		<i>All Higher students are taught the full Edexcel Higher Tier specification.</i>					
	Unit description	Index Laws Estimations Standard Form Quadratics and Cubics Direct and Inverse Proportion	Constructions and Loci Rational and Irrational Numbers Rearranging Formulae Functions	Arcs and Sectors Surface Area and Volumes Bounds Transformations	Similarity - Area and Volume Probability Trigonometry in 2D and 3D Linear Graphs	Linear Inequalities – Regions Quadratic Equations Data Handling: <i>Continuous Data</i> <i>Comparing Data</i> <i>Sampling</i>	Completing the Square Quadratic Inequalities Circle Theorems Growth and Decay
	Assessment	Formally Assessed Work 1 Formally Assessed Work 2	Assessment 1 Formally Assessed Work 3	Assessment 2 Formally Assessed Work 4 Intermediate Maths Challenge	Formally Assessed Work 5 Formally Assessed Work 6	End of Year Assessment Year 10 Mocks Formally Assessed Work 7	Formally Assessed Work 8 Assessment 3
	Challenge	Extension Questions using the Grade 8-9 Targeted CGP Workbooks, Intermediate Maths Challenge Questions, Higher Level Exam Problems Exercises from Vickers A/A* Textbook					
Inclusion	Access to GCSE Rayner Higher Textbook using Kerboodle All topics within Higher and Foundation tier are covered within our curriculum. Access to Mathswatch and justmaths.co.uk – crossover resources to boost students who need to secure grades 5 and above.						

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		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
		AUTUMN 1 (21)	AUTUMN 2 (20)	SPRING 1 (20)	SPRING 2	SUMMER 1	SUMMER 2	
<i>All Higher students are taught the full Edexcel Higher Tier specification.</i>								
Year 11H Overview	Unit description	Sine and Cosine Rule Non Linear Simultaneous Equations Surface Area and Volume 2 Iterations	<i>Quadratic Sequences</i> Gradient and Area of Graphs <i>Equation of a Circle</i> Vectors Graphical Simultaneous Equations	<i>Trigonometric Graphs and Equations</i> <i>Transforming Graphs</i> Algebraic Fractions <i>Proof</i>	Completion of topics not covered  Exam Preparation: Lessons per fortnight will consist of:  1. Exam Papers x2 2. Review of identified topics from mock exams and formal assessments x2 3. Timed Questions Problem Solving and/or Functional Maths Focus (3 lessons)			
	Assessment	Assessment 1 Formally Assessed Work 1	Formally Assessed Work 2 Year 11 Mocks	Formally Assessed Work 3 Formally Assessed Work 4	2 <sup>nd</sup> Mock Assessment			
	Challenge	Extension Questions using the Grade 8-9 Targeted CGP Workbooks, Intermediate Maths Challenge Questions, Higher Level Exam Problems  Exercises from Vickers A/A* Textbook						
	Inclusion	Access to GCSE Rayner Higher Textbook using Kerboodle All topics within Higher and Foundation tier are covered within our curriculum. Access to Mathswatch and justmaths.co.uk – crossover resources to boost students who need to secure grades 5 and above.						

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	AUTUMN 1 (25)	AUTUMN 2 (23)	SPRING 1 (16)	SPRING 2 (18)	SUMMER 1 (15)	SUMMER 2 (9)	
<i>All Foundation students are taught the full Edexcel Foundation Tier specification.</i>							
Year 10F Overview	Unit description	Index Laws Standard Form Percentages 1: Calculations with and without a calculator Expanding Brackets and Factorising Solving Linear Equations	Ratio and Proportion Constructions Loci Venn Diagrams Reciprocals, Factors and Multiples Substitution	Pythagoras' Theorem Frequency Tables Two Way Tables and Frequency Trees Probability Tree Diagrams – Independent Events Percentages 2 Reverse Percentages Compound Interest	Fractions Linear Graphs Introduction to Equation of a Line Linear Sequences Special Sequences Decimals Estimations	Area of 2D Shapes Circumference and Area of Circles Area of Composite Shapes Compound Measures	Real Life Graphs Volume of Prisms Surface Area of Prisms
	Assessment	Formally Assessed Work 1 Formally Assessed Work 2	Assessment 1 Formally Assessed Work 3	Assessment 2 Formally Assessed Work 4	Formally Assessed Work 5 Formally Assessed Work 6	End of Year Assessment Year 10 Mocks Formally Assessed Work 7	Formally Assessed Work 8 Assessment 3
	Challenge	Extension activities including Corbettmaths “Apply” questions, past examination questions as well as opportunities to look at higher tier content where appropriate					
	Inclusion / Catch Up	Access to GCSE Rayner Foundation Textbook using Kerboodle All topics within Higher and Foundation tier are covered within our curriculum. Access to Mathswatch and justmaths.co.uk – crossover resources to boost students who need to secure grades 5 and above.					

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		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
		AUTUMN 1 (24)	AUTUMN 2 (24)	SPRING 1 (20)	SPRING 2	SUMMER 1	SUMMER 2	
<i>All Foundation students are taught the full Edexcel Foundation Tier specification.</i>								
Year 11F Overview	Unit description	<p><b>Linear Inequalities</b></p> <p>Scatter Graphs</p> <p>Forming and Solving Equations</p> <p>Quadratic, Cubic and Reciprocal Graphs</p> <p>Expanding and Factorising Quadratics</p> <p>Proportion</p>	<p>Bounds</p> <p>Surface Areas and Volumes – Cones and Spheres</p> <p>Vectors</p> <p>Transformations</p> <p>Angles in Parallel Lines</p> <p>Rearranging Formulae</p>	<p>Similarity</p> <p>Congruency</p> <p>Trigonometry</p> <p>Solving Quadratic Equations</p> <p>Simultaneous Equations</p> <p>Equation of a Straight Line</p>	<p>Exam Preparation: Lessons per fortnight will consist of:</p> <ol style="list-style-type: none"> <li>Exam Papers x2</li> <li>Review of identified topics from mock exams and formal assessments x2</li> <li>Timed Questions Problem Solving and/or Functional Maths Focus (3 lessons)</li> </ol>			
	Assessment	<p style="color: green;">Assessment 1</p> <p>Formally Assessed Work 1</p>	<p>Formally Assessed Work 2</p> <p style="color: green;">Year 11 Mocks</p>	<p>Formally Assessed Work 3</p> <p>Formally Assessed Work 4</p>	<p style="color: green;">2<sup>nd</sup> Mock Assessment</p>			
	Challenge	<p>Extension activities including Corbettmaths “Apply” questions, past examination questions as well as opportunities to look at higher tier content where appropriate</p>						
	Inclusion / Catch Up	<p>Access to GCSE Rayner Foundation Textbook using Kerboodle</p> <p>All topics within Higher and Foundation tier are covered within our curriculum.</p> <p>Access to Mathswatch and justmaths.co.uk – crossover resources to boost students who need to secure grades 5 and above.</p>						