

<p>THE HIGHEST STANDARDS</p> <p>Always set and deliver the highest standards: never settle for less.</p>	<p>INVEST TO ACHIEVE</p> <p>Care about it now: create the very best for your future.</p>	<p>EVERYONE IS VALUED</p> <p>We are unique individuals working together to be the best.</p>	<p>NO EXCUSES</p> <p>Create solutions, not excuses.</p>	<p>NEVER GIVE UP</p> <p>Resilience is essential: self-belief drives improvement.</p>	<p>CULTIVATE YOUR CHARACTER</p> <p>Qualifications open doors: your character gets you through them.</p>
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Further Mathematics Year 12 2024-2025

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Pure		CP1: Complex Numbers		CP2: Argand Diagrams		CP3: Series		CP4: Roots of Polynomials	
Applied		D1: Algorithms		D2: Graphs and Networks		D3: Algorithms and Graphs			D4: Route Inspection
Half Term 2	Week 9	Week 10 - LC1	Week 11	Week 12 - PE	Week 13	Week 14	Week 15	Holiday	
Pure	CP4: Roots of Polynomials	CP6: Matrices			CP7: Linear Transformations				
Applied	D4: Route Inspection	D5: The Travelling Salesman Problem			D6: Linear Programming				
Half Term 3	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21 - LC2	Holiday		
Pure	CP7: Linear Transformations	CP8: Proof by Induction		CP9: Vectors					
Applied	D7: Simplex Algorithm				D8: Critical Path Analysis				
Half Term 4	Week 22	Week 23	Week 24 - PE	Week 25	Week 26	Revision	Trial Examinations	Holiday	
Pure	CP9: Vectors	CP5: Volumes of Revolution							
Applied	D8: Critical Path Analysis								
Half Term 5	Week 27	Week 28	Week 29	Week 30	Week 31 - LC3	Week 32	Holiday		
Pure	CTG		Year 13 Trig	Year 13 Differentiation		Year 13 Integration			
Applied									
Half Term 6	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	CTG	
Pure	Year 13 Integration		CP1*: Complex Numbers		Revision	Trial Examinations			
Applied			Revision						

How does this year deliver your curriculum intent?

Study within year 12 builds upon prior learning from year 10 and 11, especially regarding algebra and geometry. Students are presented problems in unfamiliar contexts and work on their resilience to complete these problems. They will be able to adapt methods shown to apply to all situations. Within statistics, students look at the relevance of mathematics in the real world- especially with the large data set. Links to geography and physics are explicit across the curriculum.