

<b>THE HIGHEST STANDARDS</b> Always set and deliver the highest standards: never settle for less.	<b>INVEST TO ACHIEVE</b> Care about the now: create the very best for your future.	<b>EVERYONE IS VALUED</b> We are unique individuals working together to be the best.	<b>NO EXCUSES</b> Create solutions, not excuses.	<b>NEVER GIVE UP</b> Resilience is essential: self-belief drives improvement.	<b>CULTIVATE YOUR CHARACTER</b> Qualifications open doors; your character gets you through them.
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### Mathematics Year 13 2023-2024

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7: LC1	
Mech		P5*: Radians		P6*: Trigonometric Functions		P7*: Trigonometric Modelling			Holiday
Stats		P4*: Binomial Expansions		S1*: Regression, Correlation and Hypothesis Testing		S2*: Conditional Probability	P8*: Parametric Equations		
Half Term 2	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15: LC2	
Mech	M5*: Friction		M4*: Moments		Trial Examinations	P3*: Sequences and Series		P10*: Numerical Methods	Holiday
Stats	P9*: Parametric Equations		P9*: Differentiation			P9*: Differentiation	P11*: Integration		
Half Term 3	Week 16	Week 17	Week 18	Week 19	Week 20				
Mech	P10*: Numerical Methods	P12*: Vectors		M6*: Projectile Motion		Holiday			
Stats	P11*: Integration								
Half Term 4	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26			
Mech	M7*: Application of Forces				Trial Examinations	M8*: Further Kinematics	Holiday		
Stats	S3*: Normal Distribution					Revision			
Half Term 5	Week 27	Week 28: LC3	Week 29	Week 30	Week 31	Week 32			
Mech	M8*: Further Kinematics	Revision		Final Examinations			Holiday		
Stats	Revision								
Half Term 6	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39		
	Final Examinations								

How does this year deliver your curriculum intent?

Study within year 13 builds upon prior learning from year 12, 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.

By half term five, pupils will have revision lessons to recap content from Y12 and strengthen their understanding of the content from Y13. Throughout the year, students will be expected to complete one AS past paper per half fortnight and can receive support with completing this paper during the after school Achieve sessions.

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### Further Mathematics Year 13 2023-2024

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7: LC1	
		FM1: Momentum and Impulse	FM2: Work, Energy and Power	FM3: Elastic Strings and Springs		FM4/5: Elastic Collisions in One/Two Dimensions			Holiday
Half Term 2	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15: LC2	
	P9*: Differentiation		P11*: Integration		Trial Examinations	P11*: Integration		CP3*: Methods in Calculus	Holiday
Half Term 3	Week 16	Week 17	Week 18	Week 19		Week 20			
	CP3*: Methods in Calculus	CP4*: Volumes of Revolution	CP5*: Polar Coordinates		CP6*: Hyperbolic Functions	Holiday			
Half Term 4	Week 21	Week 22	Week 23	Week 24	Week 25		Week 26		
	CP6*: Hyperbolic Functions	CP7*/8*: Differential Equations		Trial Examinations	Revision	Holiday			
Half Term 5	Week 27	Week 28: LC3	Week 29		Week 30		Week 31	Week 32	
	Revision			Final Examinations			Holiday		
Half Term 6	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38		Week 39	
	Final Examinations								

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