

# Year 13

# Subject: Maths

	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 - 6 Weeks	Spring 2 - 6 Weeks	Summer 1 - 7 Weeks	Summer 2 - 6 Weeks
YEAR 13 TOPICS:	Advanced Mechanics a and Advanced Trigonometry	Parametrics and Advanced Differentiation	Advanced Integration, Vectors and Proof	Advanced Mechanics b	Final Revision	N/A
CONTENT	*Mechanics II - Single Particles II - Connected Particles II - Rigid Bodies *Trigonometry II - Radian Measure - New Trig Functions - Harder Identities and Equations	* Parametric Equations * Differentiation II	* Integration II * Vectors II * Proof II * Numerical Methods	* Mechanics III - Variable Acceleration [1 and 2d] - Constant Acceleration [Plan -2d] - Constant Acceleration [Projectiles - 2d] Spreadsheet-based access to ALL past-papers and support materials, providing a live, prioritizing resource the students/staff use to provide a bespoke revision program. Interleaved with class teaching of key problem areas, worked solutions, additional intervention periods.	Spreadsheet-based access to ALL past-papers and support materials, providing a live, prioritizing resource the students/staff use to provide a bespoke revision program. Interleaved with class teaching of key problem areas, worked solutions, additional intervention periods.	
HWK AND ASSESSMENT	<b>Homework - set on lesson basis - prioritized for particular skills.</b> Assessment 13 - Basic Mechanics I	<b>Homework - set on lesson basis - prioritized for particular skills.</b> Assessment 15 - Trigonometry**	<b>Homework - set on lesson basis - prioritized for particular skills.</b> <b>Mock Exams I - covering all</b>	<b>Homework - set on lesson basis - prioritized for particular skills.</b> <b>Mock Exams II - covering</b>	<b>Homework - Exam Question Packs - individualised for priority areas</b> <b>Mock Exam III-</b>	

## HIGHGATE WOOD SCHOOL: CURRICULUM MAP FOR KEY STAGE 5

	Assessment 14 - Advanced Mechanics II	Assessment 16 - Parametrics	<b>work up to Parametrics</b> Assessment 17/18 - Integration and Differentiation	<b>Differnetiation, Integration and Yr2 Mechanics</b>	<b>full mock - Immediately post- easter [or pre- easter]</b>	
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