

Year 12

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 12 TOPICS:	Basic Algebra and Basic Statistics	Coordinate Geometry, Further Algebra and Basic Trigonometry	Basic Calculus	Exponentials, Proof and Further Statistics	Advanced Algebra, Series	Basic Vectors and Basic Mechanics					
CONTENT	<ul style="list-style-type: none"> *Algebra I <ul style="list-style-type: none"> - Surds, Indices and Algebraic Manipulation - Quadratic Functions - Equations and Inequalities - Graphs and Transformations * Statistics I <ul style="list-style-type: none"> - Sampling - Data Interpretation - Data Representation 	<ul style="list-style-type: none"> * Coordinate Geometry <ul style="list-style-type: none"> - Straight Lines - Circles * Algebra II <ul style="list-style-type: none"> - Polynomial Division and Factor Theorem - Binomial Expansion * Trigonometry I <ul style="list-style-type: none"> - Triangle Problems - Trigonometric Graphs - Trigonometric Equations - Trigonometric Identities 	<ul style="list-style-type: none"> * Differentiation * Integration 	<ul style="list-style-type: none"> * Logs and Exponentials * Proof * Statistics IIa <ul style="list-style-type: none"> - Probability Distributions I [Uniform and Binomial] - Hypothesis Testing I - Correlation 	<ul style="list-style-type: none"> * Statistics IIb <ul style="list-style-type: none"> - Hypothesis Testing II - Probability Distributions II [Normal] * Algebra III <ul style="list-style-type: none"> - Algebraic Fractions - Functions * Series <ul style="list-style-type: none"> - Arithmetic Series - Geometric Series - SigmaNotation - Recurrence Relations 	<ul style="list-style-type: none"> * Vectors I * Mechanics I [Basics] <ul style="list-style-type: none"> - Forces - Velocity, Displacement-Time Graphs - SUVAT Equations - Single Particles - Connected Particles 					

HIGHGATE WOOD SCHOOL: CURRICULUM MAP FOR KEY STAGE 5

<p>HWK AND ASSESSMENT</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 1 - Algebra I Assessment 2 - Statistics I</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 3 - Coordinate Geometry Assessment 4 - Algebra II</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 5 - Trigonometry Assessment 6 - Differentiation</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 7 - Integration Assessment 8 - Exponentials and Logs</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 9 - Statistics IIa Assessment 10 - Statistics IIb</p>	<p>Homework - set on lesson basis - prioritized for particular skills. Assessment 11 - Algebra II Assessment 12 - Series End of Year 12 Assessment covering Year 1 Pure and All Statistics</p>
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