



## Maths Curriculum by Academic Year

Year Group	Autumn Term	Spring Term	Summer Term
Y7	Number 1 Algebra 1	Ratio & Proportion Number 2 Solving Equations	Geometry Graphs & Sequences Statistics
Home Learning:	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'
Y8	Number 1 Algebra 1	Statistics & Probability Ratio & Proportion Number 2	Solving Equations Graphs & Sequences Geometry
Home Learning:	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'
Y9	Topics are interleaved and build on work completed in Y7 & Y8	Topics are interleaved and build on work completed in Y7 & Y8	Topics are interleaved and build on work completed in Y7 & Y8
Home Learning:	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'
Y10	Topics are interleaved and build on work completed in Y9	Topics are interleaved and build on work completed in Y9	Topics are interleaved and build on work completed in Y9  Start Y11 'Number 1' unit in the last half-term
Home Learning:	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'	Interleaved HL on 'Sparx Maths'
Y11	Algebra 1 Geometry 1 Number 2 Ratio & Proportion	Statistics Geometry 2 Algebra 2	Revision
Home Learning:	GCSE retrieval questions	GCSE retrieval questions	GCSE retrieval questions

Y12	<u>Pure</u> : Indices, Quadratics, Inequalities, Transformations, Differentiation, Binomial. <u>Applied</u> : Coordinate Geometry, Vectors, Curve Sketching, Time Graphs & SUVAT, Newton's Laws.	<u>Pure</u> : Integration, Radians, Trigonometry, Logarithms. <u>Applied</u> : Newton's Laws, Variable Acceleration, Sampling, Summarising-Representing Data.	<u>Pure</u> : Circles, Proof, Algebra, Functions. <u>Applied</u> : Probability, Discrete Probability Distributions, Forces in 2D and the Coefficient of Friction.
Home Learning:	<b>Class Worksheets</b>	<b>Class Worksheets</b>	<b>Class Worksheets</b>
Y13	<u>Pure</u> : Trigonometry, Binomial, Exponentials and Logs, Differentiation. <u>Applied</u> : Forces in 2D and CoF, 2D Kinematics, Normal Distribution, Projectiles.	<u>Pure</u> : Integration, Differential Equation, Parametric Equations, Sequences and Series. <u>Applied</u> : Projectiles, Hypothesis Testing, Moments.	<u>Pure</u> : Numerical Methods, Revision Lessons. <u>Applied</u> : Moments, Large Data Set, Revision Lessons.
Home Learning:	<b>Class Worksheets Three Papers</b>	<b>Class Worksheets Three Papers</b>	<b>Class Worksheets</b>
Y12 Further Maths	<u>Pure</u> : Matrices, Summations, Proof, Roots of Equations, Complex Numbers, Matrix Transformations. <u>Applied</u> : Algorithms, Graph Theory, CPA, Linear Programming.	<u>Pure</u> : Complex Loci, Momentum & Impulse, WEP, Restitution. <u>Applied</u> : Further Vectors, Volume of Revolution.	<u>Pure</u> : Partial Fractions, Further Complex Numbers. <u>Applied</u> : Further Graph Theory, Further Networks.
Home Learning:	<b>Class Worksheets / Textbook Questions</b>	<b>Class Worksheets / Textbook Questions</b>	<b>Class Worksheets / Textbook Questions</b>





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<b>Y13 Further Maths</b>	<u>Pure</u> : Further Complex Numbers, 2D Momentum & Impulse, WEP, Elasticity, 2D Restitution, Polar Coordinates. <u>Applied</u> : Further Networks, Further CPA, Further LP, Further Vectors.	<u>Pure</u> : Maclaurin, Hyperbolic Functions, Y12 Review, Further Calculus. <u>Applied</u> : Differential Equations, Further Calculus.	<u>Pure</u> : Further Calculus, Revision Lessons. <u>Applied</u> : Further Calculus, Revision Lessons.
<b>Home Learning:</b>	<b>Class Worksheets / Textbook Questions</b>	<b>Class Worksheets / Textbook Questions</b>	<b>Class Worksheets / Textbook Questions</b>

