

### Mathematics learning journey

	<b>Autumn Term</b>	<b>Spring Term</b>	<b>Summer Term</b>
<b>Year 7</b>	N1: Properties of number  A1: Sequences  G1: Angle properties  S1: Presentation of data  N2: Fractions	A2: Algebraic manipulation  G2: Area, perimeter and volume  S2: Probability  N3: Decimals  A3: Equations and inequalities  G3: Constructions and Loci	N4: Percentages  A4: Formulae  G4: Transformations of shapes  S3: Averages and spread  N5: Ratio and proportion
<b>Year 8</b>	A1: Sequences  S1: Presentation of data  N1: Properties of number  G1: Angle properties  A2: Algebraic manipulation  N2: Fractions	S2: Probability  G2: Area, perimeter and volume  N3: Decimals  A3: Equations and inequalities  S3: Averages and spread  A4: Formulae	N4: Percentages  N5: Ratio and proportion  G4: Transformation of shapes  A5: Graphs  G3: Constructions and loci
<b>Year 9</b>	1: Number  2: Algebra	3: Interpreting and representing data  4: Fractions, ratio and percentages  5: Further equations and inequalities	6: Angles and right-angled triangles  7: Perimeter, area and volume
<b>Year 10 foundation</b>	Unit 9: Graphs  Unit 10: Transformations  Unit 11: Ratio and	Unit 13: Probability  Unit 14: Multiplicative reasoning  Unit 15: Constructions,	Unit 15 (continued): Constructions, loci and bearings  16: Quadratic equations and

	Proportion  Unit 12: Right-angled triangles	loci and bearings	graphs
<b>Year 10 higher</b>	Unit 8: Transformations and constructions  Unit 9: Equations and inequalities  Unit 10: Probability	Unit 11: Multiplicative reasoning  Unit 12: Similarity and congruence  Unit 13: Further trigonometry	Unit 14: Further statistics  Unit 15: Equations and graphs
<b>Year 11 foundation</b>	17: Perimeter, area and volume 2  18: Fractions, indices and standard form  19: Congruence, similarity and vectors  20: Further algebra	Revision	Revision & Exams
<b>Year 11 higher</b>	Unit 15 (continued): Equations and graphs  Unit 16: Circle theorems  Unit 17: Further algebra  Unit 18: Vectors and geometric proof	Unit 19: Proportion and graphs  Revision	Revision & Exams
<b>Year 12</b>	P1: Algebra and functions (part 1)  P2: Algebra and functions (part 2)  P3: Coordinate geometry in the (x, y) plane  P4: Further algebra	P9: Exponentials and logarithms  S1: Data presentation and interpretation (part 1)  S2: Data presentation and interpretation (part 2)  S3: Correlation and	S7: Statistical hypothesis testing  M11: Kinematics 2 (variable accelerations)  Revision and exams

	<p>P5: Trigonometry</p> <p>P6: Vectors (2D)</p> <p>P7: Differentiation</p> <p>P8: Integration</p>	<p>regression lines</p> <p>M8: Quantities and units in mechanics</p> <p>S4: Probability</p> <p>S5: Statistical distributions</p> <p>S6: Statistical sampling</p> <p>M9: Kinematics 1 (constant acceleration)</p> <p>M10: Forces &amp; Newton's laws</p>	
<b>Year 13</b>	<p>1: Algebraic methods and proof</p> <p>2: Functions and modelling</p> <p>3: Sequences and series</p> <p>4: The binomial expansion</p> <p>5: Radians</p> <p>6: Trigonometric functions</p> <p>7: Trigonometry and modelling 8: Parametric equations</p>	<p>9: Differentiation</p> <p>10: Numerical methods</p> <p>11: Integration</p> <p>12: Vectors (3D)</p> <p>M4: Forces at any angle (part 1)</p> <p>M5: Further kinematics (part 1)</p> <p>S1: Regression, correlation and hypothesis testing</p> <p>S2: Probability</p> <p>M6: Applications of kinematics</p> <p>M7: Forces at any angle (part 2)</p> <p>M8: Applications of forces (part 1)</p>	<p>S3: The normal distribution</p> <p>M10: Moments</p> <p>M11: Applications of forces (part 2)</p> <p>Revision &amp; Exams</p>