

Maths Curriculum

Year 9	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Thread	Number	Algebra	Number	Geometry and Measure	Probability Statistics	Ratio and Proportion
Focus	Assessing and developing foundational knowledge in number (place value and calculation)	Assessing and developing foundational knowledge in algebra	Assessing and developing foundational knowledge in number (FDP)	Assessing and developing foundational knowledge in geometry	Assessing and developing foundational knowledge in probability and statistics	Assessing and developing foundational knowledge in ratio and proportion
Key objectives	<p>Properties of number and place value</p> <p>Directed number</p> <p>The four operations</p> <p>Order of operations</p>	<p>Collecting like terms</p> <p>Expanding brackets</p> <p>Substitution into formulae</p>	<p>Four operations with fractions and decimals</p> <p>Converting between fractions, decimals and percentages</p> <p>Fraction of an amount</p>	<p>Identify properties of 2D and 3D shapes</p> <p>Calculate perimeter, area and volume</p> <p>Reflection</p> <p>Functional problems using geometry and measure</p>	<p>Constructing and interpreting charts and graphs</p> <p>Basic probability (describing probability of a single event, two way tables)</p>	<p>Sharing in a given ratio</p> <p>Similarity and congruency in triangles</p>
Assessment and accreditation	ELC component 1, 2, 5		ELC component 3, 4	ELC component 6, 7	ELC component 8	

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Thread	Number	Number	Geometry Algebra	Probability Algebra	Geometry	Geometry Ratio and proportion
	Algebra	Geometry			Statistics	
		Ratio and proportion				
Key content	Place value Calculations (including decimals and directed numbers) Factors and multiples Algebraic notation, vocabulary and manipulation Solving equations and inequalities	Operations with fractions and percentages Fractions of an amount One quantity as a fraction of another Percentages (change, as fractions and decimals, >100%, expressing one quantity as % of another) Measuring, constructing, calculating missing angles, angle rules including angles in parallel lines Simplifying ratios, sharing in a given ratio, solving problems including proportion	Calculation with perimeter, area and volume Working in the cartesian plane, plotting linear graphs, calculating gradients, equations of lines	Theoretical and experimental probability Using the 0-1 probability scale Probability of exhaustive set of outcomes =1 Solving equations (function machine and balancing) Representing inequalities Generating sequences	Transformations Measures of central tendency and spread, including from grouped data	Constructing angles and triangles Similarity and congruence Recognising and adding and subtracting column vectors

Accreditation	N1 N2 N3 N4 N5 A5 A6 A7 A21	N8 N10, N12 N15 R3 R9	N14 R1 G12 G14 G16 G17 A8 A9 A10 A12 A14 A17 R11 G14	P1 P2 P3 P4 P5 A17 A23 A25	R6 G1 G7 G24 S1 S2 S4 S5	R2 R6 G1-7, G12, G13, G15
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Year 11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Thread	Number Algebra	Ratio and proportion Geometry	Geometry Algebra	Probability Algebra	Exams and Revision	Exams and Revision
Key objectives	Multiplying and dividing fractions Laws of Indices Standard form notation Calculations using standard form Quadratic equations: expanding brackets and factorising Solving quadratic equations Plotting quadratic graphs	Calculating percentages using a multiplier Compound measures (speed and density) Solving problems using angle rules Pythagoras theorem Right angled trigonometry	Calculations involving circles, pyramids and spheres Recognising and plotting graphs Using graphs to solve equations	Probability trees and Venn diagrams Solving equations with fractions Solving inequalities Describing sequences Constructing loci Bearings		
Assessment and accreditation	N6-9 A8 A11 A12 A14 A18	R13 R16 G14 G6 G7 G11 N7 N15 R12 G6 G11 G20 G21	N8 N15 N16 G9 G18 A6 A12 A14 A17 A19 A21 R10 R13 R14 R16	P5-9 A21-24 R2 R6 G1-G7 G12 G13 G15		