

Mathematics Curriculum

Five Year Course Plan



WEEK ▶		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
YEAR 7	H	Unit 1: Algebra – Sequences		Unit 2: Algebra – Algebraic Notation & Substitution		Unit 3: Algebra – Expressions & Equations		Unit 4: Number – Place Value, Ordering & Rounding		Unit 5: Number – Four Operations		Unit 6: Statistics – Averages & Range		Unit 7: Number – Rounding & Estimation		Unit 8: Statistics – Graphing Data		Unit 9: Number – Fractions, Decimals & Percentages		Unit 10: Number – Directed Number		Unit 11: Number – Fractions & Percentages of Amounts		Unit 12: Geometry & Measures – Perimeter & Area		Unit 13: Ratio, Proportion & Rates of Change – Speed, Distance & Time		Unit 14: Number – Properties of Number		Unit 15: Number – Add & Subtract Fractions		Unit 16: Geometry & Measures – Angles & Polygons								
	F	Unit 1: Numbers & the Number System		Unit 2: Calculating		Unit 3: Visualising		Unit 4: Understanding Risk		Unit 5: Algebraic Proficiency		Unit 6: Proportional Reasoning		Unit 7: Angles		Unit 8: Fractions, Decimals, % & Calculating FDP		Unit 9: Pattern Sniffing & Solving Equations/ Inequalities		Unit 10: Calculating Space		Unit 11: Algebraic Proficiency (Visualising)		Unit 12: Understanding Risk 2		Unit 13: Presentation of Data & Measuring Data		Unit 14: Mastery Revision & Enrichment												
YEAR 9	H	Unit 1: Calculating		Unit 2: Visualising & Constructing		Unit 3: Algebraic Proficiency (Tinkering)		Unit 4: Proportional Reasoning		Unit 5: Pattern Sniffing		Unit 6: Solve Equations/ Inequalities		Unit 7: Calculating Space		Unit 8: Conjecturing		Unit 9: Algebraic Proficiency (Visualising)		Unit 10: Solving Equations & Inequalities 2		Unit 11: Understanding Risk		Unit 12: Presentation of Data		Unit 13: Mastery Revision & Enrichment														
	F	Unit 1: Powers, decimals, HCF and LCM, roots and rounding		Unit 2: Expressions, substitution, expanding and factorising, equations and sequences		Unit 3: Averages & range, collecting & representing data		Unit 4: Fractions and Percentages; Ratio and Proportion		Unit 5: Angles, polygons and parallel lines; Pythagoras and Trigonometry		Unit 6: Real-life and algebraic linear graphs; quadratic and cubic graphs; rates of change and area under graphs		Unit 7: Perimeter, area and volume; Accuracy and bounds		Unit 8: Transformations; Constructions, loci and scale drawing		Unit 9: Solving quadratic and simultaneous equations; Inequalities		Unit 10: Probability		Revision & Mock Assessment Window																		
YEAR 10	H	Unit 1: Multiplicative reasoning		Unit 2: Similarity & Congruence		Unit 3: Trigonometric Functions and Graphs		Unit 4: Statistics and sampling, cumulative frequency and histograms		Unit 5: Quadratics, polynomials, graphs of circles, cubes & quadratics		Unit 6: Circle Theorems		Unit 7: Changing the subject, algebraic fractions, rationalising surds and proof		Unit 8: Vectors and geometric proof		Unit 9: Non-linear graphs, area under curves; Direct and inverse proportion																						
	F	Unit 1: Right-angled triangles: Pythagoras and trigonometry		Unit 2: Probability		Unit 3: Multiplicative Reasoning		Unit 4: Constructions: triangles, nets, plan & elevations, loci, scale drawings & bearings		Unit 5: Algebra: quadratic equations and graphs		Unit 6: Perimeter, area & volume 2: circles, cylinders, cones & spheres		Unit 7: Fractions, Reciprocals and Standard Form		Unit 8: Congruence, similarity and vectors		Unit 9: Rearranging equations, graphs and simultaneous equations																						
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