Home Ed Support Curriculum: Term 1

Week	Strand	KS3 Support		KS4 Support (up to Grade 7)	
		All	Greater Depth	All	Greater Depth
1	Number	Place value & rounding	Comparing Calculations	Rounding, Place Value & Significant Figures	Upper/Lower Bounds & Error Intervals
2	Algebra	Simplifying expressions	Expanding Brackets	Simpligying incl. negatives Expanding/Factorising brackets	Expand & factorise quadratics (a=1). Introduce a≠1
3	Geometry	Angles Rules	Multi Step angle rules and reasoning	Reasoning: Angle Rules and Parallel Lines	Reasoning / Proof / Multistep Angle Problems
4	Ratio & Proportion	Share into Ratios	Finding Ratios	Sharing and using ratio, with conversions.	Ratio equations and combining ratios
5	Statistics	Averages & range	Averages from tables.	Comparing Averages and Distributions	Averages from grouped tables
6	Probability	Probability scale & single events	Combined Events	Dependent Events	Mutually exclusive events: addition rule; sample spaces for two events
7	Number	Four operations & Negative Numbers	Unfamiliar Contexts	Four Operations - Fractions	Mixed Numbers and Exam Practice
8	Algebra	Straight forward substitution.	Substituting negatives, decimals and fractions.	Substituting negatives, decimals and fractions.	Substitute into area/volume/speed formulas incl. powers/roots
9	Geometry	Angles in triangles & quadrilaterals	Angles in Polygons Intro	Angles in Polygons (Interior and Exterior)	Angles in complex/compound shapes with reasoning.
10	Ratio & Proportion	Unitary Scaling Methods (best buys, recipes etc.)	Map Scales	Scales (recipes/BB/maps) with both integer and fractional SF.	Similarity - length, introduce area.
11	Statistics	Stem & Leaf and Pictograms.		Statistical Representation (Scatter/Frequency/Time Series/Stem&Leaf) and reasoning.	
12	Mixed Topics	CHRISTMAS MATHS!		CHRISTMAS MATHS!	

Home Ed Support Curriculum: Term 2

Week	Strand	KS3 Support		KS4 Support (up to Grade 7)	
		All	Greater Depth	All	Greater Depth
1	Number	Fractions: equivalence & simplifying	Arithmetic with Fractions	Simple Fractions/Percentages of Amounts	Percentage and Fraction of amounts: contextual multistep problems.
2	Algebra	Form & solve 1-step equations	Multi Step Equations	Form & solve multi step linear equations	Unknowns both sides; equations with brackets
3	Geometry	Parallel line angle facts	Unseen structures - combining shape and angle rules	Multi-step parallel-line and polygon angles	Circle Theorem Intro
4	Ratio & Proportion	Exhange Rates	Using Conversion Graphs	Exchange Rates and Conversion Graphs	Multi step exchange and conversion problems
5	Statistics	Bar & pie charts (interpret/draw)	Dual Bar Charts Pie Chart Problems	Pie Chart Recap	Comparing, Critique and Misleading Graphs
6	Probability	Two-way tables (counts & simple probs)	Frequency Trees (counts & simple probs)	Two-way tables and Frequency Trees (with probability)	Conditional statements from tables / expected frequency
7	Number	Fractions: More Arithmetic Practice	With Mixed Numbers	Decimals Arithmetic	Estimation
8	Algebra	Solve 2-step equations with brackets	Unknowns on Both Sides	Revisit solving complex linear equations	Rearranging formulae
9	Geometry	Perimeter & area (rect/tri/parallelogram)	Simple Compound Shapes	Perimeter & area (Trapezium and Circles)	Complex Compound Shapes
10	Ratio & Proportion	Speed Distance Time	Converting Units for Speed	Speed Distance Time Distance Time Graphs	Multi-leg Journeys
11	Probability	Drawing and Interpreting Venns	Probability from Venns	Venns: regions, ∪, ∩, complements	Probability from Venns (Notation)
12	Mixed Topics	Easter Maths! Calculator Tricks / Skills		Easter Maths! Calculator Tricks / Skills	

Home Ed Support Curriculum: Term 3

Week	Strand	KS3 Support		KS4 Support (up to Grade 7)	
		All	Greater Depth	All	Greater Depth
1	Number	Percentage of Amounts	Increase/Decrease	Percentages with Multipliers	Reverse percentages; repeated percentage change
2	Algebra	Sequences: term-to-term & linear nth term (intro)	Finding and Using Nth Term	Finding and Using Nth Term	Recognise quadratic sequences and generate terms
3	Geometry	Circles: parts, circumference & area (intro)	Perimeter and Area of Half/Quarter Circles	Area and Circumference Practice and Problems	Perimeter and Areas of Sectors
4	Ratio & Proportion	Direct Proportion (graphs and contexts)	Man Hours	Contextual Direct and Inverse Proportion	Algebraic Proportion
5	Statistics	Drawing and Interpreting Scatter Graphs	Drawing and Interpreting Frequency Polygons	Scatter graphs; draw line of best fit; correlation language	Cumulative frequency (intro)
6	Probability	Independent Tree Diagrams	Expected Frequency	Tree Diagrams (Independent and Dependent)	Probability problems (algebra)
7	Number	Powers & Roots	BIDMAS with integers/decimals	Index Laws	Intro to Surds
8	Algebra	Coordinates and Midpoints	Horizontal and Vertical Lines Intro to y=mx+c	Linear Graphs y=mx+c	Non-Linear Graphs
9	Geometry	Transformations: reflect/translate/rotate/enlarge		Transformations: reflect/translate/rotate; describe fully	Enlargements with fractional/negative scale factor; invariants
10	Geometry	Perimeter / Area of Compound Shapes	Intro to Volume and Surface Area	Volume and Surface Area Prisms	Volume and Surface Area (pyramids, cones, spheres)
11	Ratio & Proportion	Congruence	Similarity (Scale Factor)	Similarity: Missing Lengths	Similarity: Area and Volume
12	Statistics	Summer Statistics: Average Puzzles, Comparing Distributions		Compare distributions (median & range)	Cumulative frequency & box plots; compare formally