

Year 7 SOW

Term	KPI	Topic	Strand	Links to prior learning	HM clips
HT1	7.01	Place value and Number sense	Number	KS2 Y6 PoS	13-16, 45-46
	7.02	Addition and Subtraction	Number	KS2 Y6 PoS	18-20, 39-41, 47
	7.03	Perimeter	Geometry & Measure	KS2 Y5 PoS, 7.02 (addition and subtraction)	548-551
	7.04	Rounding & Estimation (in real life	Number	Whole numbers: KS2 Y6 PoS	17, 56, 130-132
HT2	7.05	Multiplication and Division	Number	KS2 Y6 PoS	21-23, 42-43, 48-51
	7.06	Factors and Multiples	Number	KS2 Y6 PoS	27-36
	7.07	Area of rectangles and triangles and	Geometry & Measure	KS2 Y6 PoS (not compound shapes), 7.05 (multiplication and division)	553-558
HT3	7.08	Fractions as part of a whole	Number	KS2 Y6 PoS	57- 59, 61-62
	7.09	Fraction - addition & subtraction	Number	KS2 Y6 PoS	63-66
	7.10	Fractions - compare and order	Number	KS2 Y6 PoS	60
	7.11	Fraction of an amount	Number	7.05 (multiplication & division)	77
HT4	7.12	Order of operations	Number	BIDMAS with 4 operations: KS2 Y6 PoS	24, 44
	7.13	Basic rules of algebra	Algebra	KS2 Y6 PoS, 7.03, 7.09 (Perimeter and fractions)	151-154, 156-159
	7.14	Expand and factorise	Algebra	KS2 Y6 PoS (neg nums), 7.02, 7.05, 7.13 (four operations & basic rules of algebra)	160-161, 168-169
	7.15	Substitution	Algebra	KS2 Y6 PoS (neg nums), 7.05, 7.13 (multiplication & division & basic rules of algebra)	155
HT5/6	7.16	Angles	Geometry & Measure	KS2 Y6 PoS, 7.02 (addition & subtraction)	455-461, 477-480
	7.17	Polygons	Geometry & Measure	KS2 Y6 PoS	485-486, 560
	7.18	Symmetry and reflection	Geometry & Measure	KS2 Y5 PoS	827, 639-641
	7.19	Coordinates	Geometry & Measure	KS2 Y6 PoS	199
HT6	7.20	Mean	Statistics	KS2 Y6 PoS, 7.02, 7.05 (four operations)	404-406, 409-410
	7.21	Two way tables & Venn diagrams	Probability	7.02 (addition & subtraction)	422-423, 370-376



Year 8 SOW

Term	KPI	Topic	Strand	Links to prior learning	HM clips
HT1	8.01	Indices	Number	7.01 (squares and roots)	99-102
	8.02	Primes	Number	7.06 (factors & multiples)	28 - 36
	8.03	Rounding	Number	7.04 (rounding and estimation)	56, 130
	8.04	Fractions	Number	7.08 & 7.09 (fractions as part of a whole and adding and subtracting fractions)	59-61, 65-72
	8.05	Negative Number Review	Number	7.14 (algebraic manipulation)	37 - 43
HT2	8.06	Linear equations	Algebra	7.13 (basic rules of algebra)	178-187
	8.07	Linear equations in context	Algebra	7.03, 7.07, 7.13, 8.06 (perimeter, area, basic rules of algebra, linear equations)	176
	8.08	Coordinates and basic graphs	Geometry & Measure	7.19 (coordinates)	199, 200
HT3	8.09	Units of measurement	Geometry & Measure	7.05 (multiplication and division)	700-701, 705-706, 709-
	8.10	Angles in Parallel Lines	Geometry & Measure	7.16 (angles)	480-483
	8.11	Interior and Exterior angles	Geometry & Measure	7.05, 7.16, 7.17 (multiplication, division, polygons)	561-564
	8.12	Circumference	Geometry & Measure	7.03, 8.09 (perimeter and units of measure)	534-538
HT4	8.13	Proportional reasoning	Ratio, Proportion & Rates of Change	7.05 (multiplication and division)	339 - 341, 739 -742, 763-
	8.14	Fractions, decimals and percentages	Number	7.08, 7.10, 8.04 (all fraction and decimal manipulation has been covered)	73-76, 82-83, 88-90, 96
	8.15	Ratio	Ratio, Proportion & Rates of Change	KS2 Y6 PoS, 7.05, 8.13 (multiplication, division and proportional reasoning)	328-334
HT5/6	8.16	Area of composite shapes	Geometry & Measure	7.07, 8.09 (area and units of measure)	554-559
	8.17	Presenting and interpreting data	Statistics	7.16 (measuring, drawing, working with angles)	425-429
	8.18	Averages	Statistics	7.20 (the mean)	404-410
HT6	8.19	Two way tables	Probability	7.21 (two way tables)	424
	8.20	3-D visualisation	Geometry & Measure	KS2 Y6 PoS	829-836
	8.21	Volume	Geometry & Measure	KS2 Y6 PoS, 7.05 (multiplication & division)	568-575



Year 9 SOW

HT	KPI	Topic	Strand	Links to prior learning	HM clips
1a	9.01	Place value & Number	Number	7.10, 8.05 (comparing and ordering fraction and negative numbers review)	37-43
	9.02	Decimals	Number	7.02, 7.05, 7.12 (four operations and order of operations)	47-50, 150
	9.03	Estimation and	Number	8.03 (rounding)	56, 130, 774-777
	9.04	Indices Powers & Roots	Number	8.01, 8.05 (Indices and negative number review)	99-110
	9.05	Factors, Multiples &	Number	8.02 (primes, HCF, LCM)	28-36
	9.06	Ratio	Ratio, Proportion & Rates of	8.15 (ratio)	328-337
1b	9.07	FDP	Number	7.10, 8.04, 9.01 (compare & order fractions, operations with fractions,	52-55, 59-61, 149
	9.08	Fractions	Number	8.04 (operations with fractions)	59-61, 65-72
	9.09	Percentages	Number	8.14 (converting between FDP)	88-90, 96
	9.10	Proportion	Ratio, Proportion & Rates of	7.15, 8.06, 8.13, 8.09 (substitution, linear equations, units of measure and proportional reasoning)	339 - 341, 739 -742, 763-772,
2a	9.11	Notation	Algebra	7.13 (basic rules of algebra)	154
	9.12	Simplifying & Index	Algebra	8.06, 9.04, 9.08 (linear equations, indices, powers, root and manipulating / calculating with fractions)	99-110
	9.13	Expanding &	Algebra	8.06 (Linear equations)	160-165, 168-169, 223-227
	9.14	Expressions &	Algebra	7.15, 8.01 (substitution & indices)	780-787
2b	9.15	Linear Equations	Algebra	7.15, 8.06, 8.07, 9.08 (substitution, linear equations, operations with fractions)	177-187
	9.16	Linear Inequalities	Algebra	9.01, 9.15 (use of inequality signs and linear equations)	265, 269
	9.17	Perimeter & Area	Geometry & Measure	7.03, 7.07, 7.16, 8.09, 8.10, 8.12, 9.15 (perimeter, area, angles in parallel lines, interior / exterior angles and linear equations.	534-538, 548-551, 554-559
	9.18	Pythagoras	Geometry & Measure	7.19, 8.01, 8.03, 9.14 (substitution, coordinates, squares, square roots and rounding)	498-505
3a	9.19	Properties of shapes	Geometry & Measure	7.17, 7.18, 7.19 (polygons, symmetry and coordinates)	199, 827-8, 823-6, 484-7
	9.20	Angle facts	Geometry & Measure	7.16, 8.10, 8.11 (angles, angles in parallel lines and interior / exterior angles)	477-80, 812-4, 561-4,
	9.21	Parallel lines	Geometry & Measure	8.10 (angles in parallel lines)	481-3
	9.22	Circles	Geometry & Measure	8.12, 8.16 (circumference and area of circles)	534-47
	9.23	Volume & Surface Area	Geometry & Measure	8.20, 8.21 (3D visualisation and volume)	571-8, 833-36, 698-99, 702-4
3b	9.24	Sequences	Algebra	9.14 (expressions and substitution)	197-8, 919-22, 263-4, 247-50
	9.25	Basic vectors	Geometry & Measure	7.02 (addition and subtraction), 8.05 (negative number manipulation)	622-7, 650, 629



Year 10 - Foundation

HT	KPI	Topic	Strand	Links to prior learning	HM clips
HT1	10.01	Rearrange formulae	Algebra	9.15 (linear equations)	280-86
	10.02	Linear Graphs	Algebra	8.08, 9.14, 10.01 (substitution, coordinates and rearrning formula)	199-200, 205 - 213
	10.03	$y = mx + c$	Algebra	9.14, 10.01, 10.02 (substitution, rearranging and linear graphs)	206-16
	10.04	Compound Measures	Geometry & Measure	8.09, 9.10 (units and proportion)	716-19, 734-6, 725-32
HT2	10.05	Quadratic graphs, TP and roots	Algebra	9.13 (expanding and factorising)	251-258
	10.06	Linear Simultaneous Equations	Algebra	9.14, 10.01, 10.02 (substitution, rearranging and linear graphs)	190-195, 218-19
	10.07	Further graphs	Algebra	9.10, 10.02 (proportion, linear graphs)	299-205
HT3	10.08	Probability	Probability	9.02, 9.08 (calculations with decimals and fractions)	351-90
	10.09	Standard Form	Number	9.02, 9.04 (calculations with decimals, powers of 10, indices)	122-129
HT4	10.10	Simple interest	Number	9.09 (percentages)	93
	10.11	Ratio (further)	Ratio, Proportion & Rates of Change	9.06 (writing, simplifying and sharing ratio)	330-7
	10.12	Growth & Decay	Ratio, Proportion & Rates of Change	10.10 (simple interest)	94, 800-11,
HT5	10.13	Statistics	Statistics	8.17, 8.18 (presenting and interpreting data and averages)	393-4, 413-21, 453-4
HT6	10.14	Plans & elevations	Geometry & Measure	8.20 (3D visualisation)	837-44
	10.15	Constructions & Loci	Geometry & Measure		659-69, 674-9



Year 11 - Foundation

HT	KPI	Topic	Strand	Links to prior learning	HM clips
HT7	11.01	Pythagoras	Geometry & Measure	9.04, 9.14, 10.01 (Powers and roots, substitution, rearranging formulae)	497-504
	11.02	Right angled Trigonometry	Geometry & Measure	9.14 (substitution), 10.01 (rearranging formulae)	508-515
	11.03	Bearings & Scale Drawings	Geometry & Measure	9.20, 9.21 (Angle facts and angles in parallel lines)	492-6, 866-71
HT8	Revision/Mocks				
HT9	11.04	Transformations	Geometry & Measure		637-45, 647-57
	11.05	Congruence	Geometry & Measure	11.04 (excl enlargement) (Transformations)	680-1
	11.06	Vectors	Geometry & Measure	9.25 (basic vectors)	622-6
	11.07	Similar shapes	Geometry & Measure	11.04 (enlargement) (Transformations)	608-14
HT10	Revision programme				
HT11	Revision programme				



Year 10 - Higher

HT	KPI	Topic	Strand	Links to prior learning	HM clips
HT1	10.01	Rearrange formulae	Algebra	9.15 (linear equations)	280-86
	10.02	Linear Graphs	Algebra	8.08, 9.14, 10.01 (substitution, coordinates and rearranging formula)	199-200, 205 - 213
	10.03	$y = mx + c$	Algebra	9.14, 10.01, 10.02 (substitution, rearranging and linear graphs)	206-16
	10.04	Compound Measures	Ratio, Proportion & Rates of Change	8.09, 9.10 (units and proportion)	716-19, 734-6, 725-32
HT2	10.05	Quadratic graphs, TP and roots	Algebra	9.13 (expanding and factorising)	251-258
	10.06	Further expanding & factorising	Algebra	9.13 (expanding and factorising)	166, 228
	10.07	Linear Simultaneous Equations	Algebra	9.14, 10.01, 10.02 (substitution, rearranging and linear graphs)	190-195
	10.08	Further graphs	Algebra	9.10, 10.02 (proportion, linear graphs)	299-205
HT3	10.09	Probability	Probability	9.02, 9.08 (calculations with decimals and fractions)	351-90
	10.10	Capture & Recapture	Statistics		872-3
	10.11	Standard Form	Number	9.02, 9.04 (calculations with decimals, powers of 10, indices)	122-9
	10.12	Proportion (further)	Ratio, Proportion & Rates of Change	9.10 (proportion)	343-7
HT4	10.13	Surds	Number	9.04 (powers and roots)	111-19
	10.14	Recurring decimals	Number	9.01, 9.07 (decimals and fractions)	53-4
	10.15	Bounds	Number	9.03 (error intervals with inequalities)	137-9
	10.16	Growth & Decay	Ratio, Proportion & Rates of Change	10.10 (simple interest)	94, 800-11,
HT5	10.17	Statistics - no higher	Statistics	8.17, 8.18 (presenting and interpreting data and averages)	393-4, 413-21, 453-4
	10.18	Simple interest	Ratio, Proportion & Rates of Change	9.09 (percentages)	93
	10.19	Ratio (further)	Ratio, Proportion & Rates of Change	9.06 (writing, simplifying and sharing ratio)	330-7
HT6	10.20	Right angled Trigonometry	Geometry & Measure		508-515
	10.21	Plans & elevations	Geometry & Measure	8.20 (3D visualisation)	837-44
	10.22	Constructions & Loci	Geometry & Measure		659-69, 674-9
	10.23	Similar shapes	Geometry & Measure		608-621



Year 11 - Higher

HT	KPI	Topic	Strand	Links to prior learning	HM clips
HT7	11.01	Algebraic proof	Algebra	9.011, 9.013 (algebraic notation, expanding, factorising)	325-7
	11.02	Solving quadratics & further Simultaneous equations	Algebra	10.07 (linear simultaneous equations)	230-4, 241-2, 238-9, 218-19, 259, 246
	11.03	Functions	Algebra	9.14, 10.01 (substitution and rearranging formulae)	288-97
	11.04	Iteration	Algebra	9.14, 10.01 (substitution and rearranging formulae)	322
	11.05	Quadratic inequalities	Algebra	9.16, 10.05 (linear inequalities, quadratic graphs)	273-7
HT8	11.06	Bearings	Geometry & Measure	9.20, 9.21 (Angle facts and angles in parallel lines)	492-6
	11.07	Circle theorems	Geometry & Measure	9.20, 9.21 (Angle facts and angles in parallel lines)	593-606, 816-820
	11.08	Further Trigonometry & Trigonometric graphs	Geometry & Measure	10.20 (right angled trigonometry)	516-533, 303-06
HT9	11.09	Statistics (Further)	Statistics	10.17 (statistics - foundation)	
	11.10	Transformations	Geometry & Measure	9.14 (substitution), 10.01 (rearranging formulae)	637-45, 647-57
	11.11	Congruence	Geometry & Measure	11.10 (excl enlargement) (Transformations)	680-1
	11.12	Vectors	Geometry & Measure	9.25 (basic vectors)	622-6
HT10	11.13	Gradients (Further), and area under a graph	Algebra	9.17 (area)	889, 887, 891-3, 314-17, 778-9
	11.14	Kinematics	Algebra	10.01 (rearranging formulae)	
	11.15	Graphical transformations	Algebra		307-13
HT11	Revision programme				

