

Maths Year 7 Curriculum Planner

AUTUMN TERM																
Week	1	2	3	4	5	6	7	8	HT	9	10	11	12	13	14	15

	Chapter 1 Using numbers	Chapter 2 Sequences		Chapter 3 Perimeter, area and volume			Ch 1 – 3 Assessment.	HT	Chapter 4 Decimal numbers	Chapter 5 Working with numbers	Chapter 6 Statistics		Ch 4 – 6 assessment.
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SPRING TERM												
Week	1	2	3	4	5	6	HT	7	8	9	10	11

	Chapter 7 Algebra	Chapter 8 Fractions		Chapter 9 Angles			Ch 7 – 9 assessment	HT	Chapter 10 Coordinates and graphs	Chapter 11 Percentages	Chapter 12 Probability	Ch 10 – 12 assessment
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SUMMER TERM														
Week	1	2	3	4	5	6	HT	7	8	9	10	11	12	13

	Chapter 13 Symmetry	Chapter 14 Equations	EOY Exam Revision		Year 7 exam week	HT	Exam review	Chapter 16 3D shapes	Chapter 17 Ratios	Ch 16 – 17 assessment	Functional Skills activities	
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Chapter	Specific points covered
1. Using numbers	Charts and financial mathematics Positive and negative numbers Simple arithmetic with negative numbers Subtracting negative numbers Multiplying negative numbers
2. Sequences	Function machines Sequences and rules Working out missing terms Working out the nth term Other sequences
3. Perimeter, area and volume	Perimeter and area of compound shapes Area of some other 2D shapes 4 Surface area and volume of cubes and cuboids
4. Decimal numbers	Ordering decimal Estimates Adding and subtracting decimals Multiplying and dividing decimals Dividing decimals
5. Working with numbers	Square numbers and square roots Rounding Order of operations Multiplication problems without a calculator Division problems without a calculator Calculations with measurements
6. Statistics	Statistical diagrams Collecting and using data Grouped frequency Data collection
7. Algebra	Expressions and substitution Simplifying expressions Using formulae Writing formulae

Topic	Specific points covered
8. Fractions	Equivalent fractions Comparing fractions Adding and subtracting fractions Mixed numbers and improper fractions Calculations with mixed numbers
9. Angles	Calculating angles Corresponding and alternate angles Angles in a triangle Angles in a quadrilateral Properties of triangles and quadrilaterals
10. Coordinates and graphs	Graphs from relationships Predicting graphs from relationships Graphs of fixed values of x and y , $y = x$ and $y = -x$ Graphs of the form $x + y = a$ Graphs from the real world
11. Percentages	Percentage increases and decreases Financial skills – Income tax
12. Probability	Experimental probability
13. Symmetry	Line symmetry and rotational symmetry Reflections Rotations Tessellations
14. Equations	Solving more complex equations Setting up and solving equations
15. Interpreting data	Comparing mean and range Statistical surveys
16. 3D shapes	Naming and drawing 3D shapes Using nets to construct 3D shapes 3D investigations
17. Ratios	Introduction to ratios Simplifying ratios Ratios and sharing Solving problems