

Maths Year 8 Curriculum Planner 2024

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 Geometry			Ch 1 – 2 assessment.	Chapter 3 Probability	Chapter 4 Percentages	HT	Chapter 4 Percentages	Chapter 5 Congruent shapes			Ch 3 – 5 assessment.	Chapter 6 Surface area and volume of prisms	

SPRING TERM													
Week	1	2	3	4	5	6	HT	7	8	9	10	11	
	Chapter 7 Graphs		Chapter 8 Number			Ch 6 - 8 assessment	Chapter 9 Interpreting data	HT	Chapter 10 Algebra			Chapter 11 Shape and ratio	Ch 9 – 11 assessment

SUMMER TERM													
Week	1	2	3	4	5	6	HT	7	8	9	10	11	12
	Chapter 12 Fractions and Decimals	Chapter 14 Circles		Chapter 15 Equations and formulae			Ch 12, 14, 15 assessment	HT	EOY Exam Revision		Y8 EOY Exam Week	Chapter 13 Proportion And Investigations	

Chapter	Specific points covered	Chapter	Specific points covered
1. Using numbers	<ul style="list-style-type: none"> 1.1 Multiplying and dividing negative numbers 1.2 Factors and highest common factor (HCF) 1.3 Multiples and lowest common multiple (LCM) 1.4 Powers and roots 1.5 Prime factors 	9. Interpreting data	<ul style="list-style-type: none"> 9.1 Interpreting graphs and diagrams 9.2 Relative sized pie charts 9.3 Scatter graphs and correlation 9.4 Creating scatter graphs.
2. Geometry	<ul style="list-style-type: none"> 2.1 Parallel lines 2.2 The geometric properties of quadrilaterals 2.3 Translations 2.4 Enlargements 2.5 Constructions 	10. Algebra	<ul style="list-style-type: none"> 10.1 Algebraic notation 10.2 Like terms 10.3 Expanding brackets 10.4 Using algebraic expressions 10.5 Using index notation
3. Probability	<ul style="list-style-type: none"> 3.1 Mutually exclusive outcomes and exhaustive outcomes 3.2 Using a sample space to calculate probabilities 3.3 Estimates of probability 	11. Shape and ratio	<ul style="list-style-type: none"> 11.1 Ratio of lengths, areas, and volumes 11.2 Fractional enlargement 11.3 Map scales
4. Percentages	<ul style="list-style-type: none"> 4.1 Calculating percentages 4.2 Calculating percentage increases and decreases 4.3 Calculating a percentage change 	12. Fractions and decimals	<ul style="list-style-type: none"> 12.1 Adding and subtracting fractions 12.2 Multiplying fractions and integers 12.3 Dividing with integers and fractions 12.4 Multiplication with large and small numbers 12.5 Division with large and small numbers
5. Congruent shapes	<ul style="list-style-type: none"> 5.1 Congruent shapes 5.2 Congruent triangles 5.3 Using congruent triangles to solve problems. 	13. Proportion	<ul style="list-style-type: none"> 13.1 Direct proportion 13.2 Graphs and direct proportion 13.3 Inverse proportion 13.4 Comparing direct proportion and inverse proportion
6. Surface area and volume of prisms	<ul style="list-style-type: none"> 6.1 Metric units for area and volume 6.2 Surface area of prisms 6.3 Volume of prisms 	14. Circles	<ul style="list-style-type: none"> 14.1 The circumference of a circle 14.2 Formula for the circumference of a circle 14.3 Formula for the area of a circle
7. Graphs	<ul style="list-style-type: none"> 7.1 Graphs from linear equations 7.2 Gradient (steepness) of a straight line 7.3 Graphs from quadratic equations 7.4 Real-life graphs 	15. Equations and formulae	<ul style="list-style-type: none"> 15.1 Equations with brackets 15.2 Equations with the variable on both sides 15.3 More complex equations 15.4 Rearranging formulae
8. Number	<ul style="list-style-type: none"> 8.1 Powers of 10 8.2 Significant figures 8.3 Standard form with large numbers 8.4 Multiplying with numbers in standard form 	16. Comparing data	<ul style="list-style-type: none"> 16.1 Grouped frequency tables 16.2 Drawing frequency diagrams 16.3 Comparing sets of data 16.4 Misleading charts