



Year 6 Maths Overview

Term	Unit	Strand
Autumn Textbook A	Unit 1 (8 lessons)	<p style="text-align: center;">Place value within 10,000,000:</p> <ul style="list-style-type: none"> • Numbers to 1,000,000 • Numbers to 10,000,000 • Partition numbers to 10,000,000 • Powers of 10 • Number line to 10,000,000 • Compare and order any number • Round any number • Negative numbers
	Unit 2 (8 lessons)	<p style="text-align: center;">Four operations (1)</p> <ul style="list-style-type: none"> • Add integers • Subtract integers • Problem solving- addition and subtraction • Common factors • Common multiples • Rules of divisibility • Primes to 100 • Squares and cubes
	Unit 3 (14 lessons)	<p style="text-align: center;">Four operations (2)</p> <ul style="list-style-type: none"> • Multiply by a 1-digit number • Multiply up to a 4-digit number by a 2-digit number • Short division • Division using factors • Divide a 3-digit number by a 2-digit number (long division) • Divide a 4-digit number by a 2-digit number (long division) • Long division with remainders • Order of operations • Brackets • Mental calculations (1) • Mental calculations (2) • Reason from known facts
	Unit 4 (9 lessons)	<p style="text-align: center;">Fractions (1)</p> <ul style="list-style-type: none"> • Equivalent fractions and simplifying • Equivalent fractions on a number line • Compare and order fractions • Add and subtract simple fractions • Add and subtract any two fractions • Add mixed numbers • Subtract mixed numbers • Multi-step problems • Problem solving- add and subtract fractions



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	Unit 5 (9 lessons)	Fractions (2) <ul style="list-style-type: none">• Multiply fractions by integers• Multiply fractions by fractions (1)• Multiply fractions by fractions (2)• Divide a fraction by an integer (1)• Divide a fraction by an integer (2)• Divide a fraction by an integer (3)• Mixed questions with fractions• Fraction of an amount• Fraction of an amount- find the whole
	Unit 6 (5 lessons)	Measure- imperial and metric measures: <ul style="list-style-type: none">• Metric measures• Convert metric measures• Calculate with metric measures• Miles and kilometres• Imperial measures



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Spring Textbook B	Unit 7 (9 lessons)	<p style="text-align: center;">Ratio and proportion:</p> <ul style="list-style-type: none"> • Use ratio language • Introduce the ratio symbol • Use ratio • Scale drawing • Scale factors • Similar shapes • Ratio problems • Problem solving- ratio and proportion (1) • Problem solving- ratio and proportion (2)
	Unit 8 (11 lessons)	<p style="text-align: center;">Algebra:</p> <ul style="list-style-type: none"> • Find a rule – one step • Find a rule- two steps • Form expressions • Substitutions (1) • Substitutions (2) • Formulae • Form and solve equations • Solve one-step equations • Solve two-step equations • Find pairs of values • Solve problems with two unknowns
	Unit 9 (9 lessons)	<p style="text-align: center;">Decimals:</p> <ul style="list-style-type: none"> • Place value to 3 decimal places • Round decimals • Add and subtract decimals • Multiply by 10, 100 and 1000 • Divide by 10, 100 and 1000 • Multiply decimals by integers • Divide decimals by integers • Fractions to decimals • Fractions as division
	Unit 10 (8 lessons)	<p style="text-align: center;">Percentages:</p> <ul style="list-style-type: none"> • Understand percentages • Fractions to percentages • Equivalent fractions, decimals and percentages • Order fractions, decimals and percentages • Simple percentages of an amount • Percentages of an amount- 1% • Percentages of an amount • Percentages (missing values)
	Unit 11 (11 lessons)	<p style="text-align: center;">Measure- perimeter, area and volume:</p> <ul style="list-style-type: none"> • Shapes- same area • Area and perimeter • Area and perimeter- missing lengths • Area of a triangle- counting squares • Area of a right-angled triangle • Area of any triangle • Area of any parallelogram • Problem solving- area • Problem solving- perimeter • Volume- count cubes • Volume of a cuboid

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Summer Textbook C	Unit 12 (11 lessons)	<p style="text-align: center;">Statistics:</p> <ul style="list-style-type: none"> • Interpret line graphs • Draw line graphs • Advanced bar charts • Understand and complete pie charts • Read and interpret pie charts • Pie charts and fractions (1) • Pie charts and fractions (2) • Pie charts and percentages • Introduction to the mean • Calculate the mean • Problem solving- mean •
	Unit 13 (12 lessons)	<p style="text-align: center;">Geometry- properties of shape:</p> <ul style="list-style-type: none"> • Measure and classify angles • Vertically opposite angles • Angles in a triangle • Angles in a triangle- special cases • Angles in a triangle- missing angles • Angles in quadrilaterals • Angles in polygons • Circles • Parts of a circle • Draw shapes accurately • Nets of 3D shapes (1) • Nets of 3D shapes (2)
	Unit 14 (5 lessons)	<p style="text-align: center;">Geometry- position and direction:</p> <ul style="list-style-type: none"> • The first quadrant • Read and plot points in four quadrants • Solve problems with coordinates • Translations • Reflections
	Unit 15 (14 lessons)	<p style="text-align: center;">Problem solving:</p> <ul style="list-style-type: none"> • Problem solving- place value • Problem solving- negative numbers • Problem solving- addition and subtraction • Problem solving- four operations (1) • Problem solving- four operations (2) • Problem solving- fractions • Problem solving- decimals • Problem solving- percentages • Problem solving- ratio and proportion • Problem solving- time (1) • Problem solving- time (2) • Problem solving- position and direction • Problem solving- properties of shapes (1) • Problem solving- properties of shapes (2)