



St. Jude's Catholic Primary School



Whole School Maths Curriculum Overview

EYFS	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic	<p>Unit 1, Numbers to 5</p> <ul style="list-style-type: none"> Counting to 1, 2, 3 Counting to 4 Counting to 5 <p>Unit 2, Comparing groups within 5</p> <ul style="list-style-type: none"> Comparing quantities of identical objects Comparing quantities of non-identical objects 	<p>Unit 3, Shape</p> <ul style="list-style-type: none"> 3d Shapes 2D Shapes <p>Unit 4, Change within 5</p> <ul style="list-style-type: none"> One more One less <p>Unit 5, Number bonds within 5</p> <ul style="list-style-type: none"> Introducing the part-whole model <p>Unit 6, Space</p> <ul style="list-style-type: none"> Spatial awareness 	<p>Unit 7, Numbers to 10</p> <ul style="list-style-type: none"> Counting to 6, 7, 8 Counting to 9, 10 <p>Unit 8, Comparing numbers within 10</p> <ul style="list-style-type: none"> Comparing groups up to 10 <p>Addition to 10</p> <ul style="list-style-type: none"> Combining two groups to find the whole <p>Unit 10, Measure</p> <ul style="list-style-type: none"> Length, height & distance Weight 	<p>Unit 11, Number bonds</p> <ul style="list-style-type: none"> Using a ten frame The part-whole model to 10 <p>Unit 12, Subtraction</p> <ul style="list-style-type: none"> Subtraction <p>Unit 13, Exploring patterns</p> <ul style="list-style-type: none"> Making simple patterns Exploring more complex patterns 	<p>Unit 14, Counting on and counting back</p> <ul style="list-style-type: none"> Adding by counting on Taking away by counting back <p>Numbers to 20</p> <ul style="list-style-type: none"> Counting to and from 20 <p>Unit 16, Numerical patterns</p> <ul style="list-style-type: none"> Doubling Halving and sharing Odds and evens 	<p>Unit 17, Shape</p> <ul style="list-style-type: none"> Composing and decomposing shapes <p>Unit 18, Measure</p> <ul style="list-style-type: none"> Volume and capacity <p>Unit 19, Sorting</p> <ul style="list-style-type: none"> Sorting into 2 groups <p>Unit 20, Time</p> <ul style="list-style-type: none"> My day
ELG 2021	<ul style="list-style-type: none"> Have a deep understanding of number to 10, including the composition of each number. Subitise (recognise quantities without counting) up to 5. Recognise the pattern of the counting system. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. 	<ul style="list-style-type: none"> Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. Have a deep understanding of number to 10, including the composition of each number. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 and some number bonds 	<ul style="list-style-type: none"> Have a deep understanding of number to 10, including the composition of each number. Subitise (recognise quantities without counting) up to 5. Verbally count, (recognising the pattern of the counting system). Compare quantities up to 10 in different contexts, (recognising when one quantity is greater than, less than or the same as the other quantity). 	<ul style="list-style-type: none"> Have a deep understanding of number to 10, including the composition of each number. Subitise (recognise quantities without counting) up to 5. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. 	<ul style="list-style-type: none"> Have a deep understanding of number to 10, including the composition of each number. Verbally count beyond 20, recognising the pattern of the counting system. Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally. 	<ul style="list-style-type: none"> Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.



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	<ul style="list-style-type: none"> Subitise (recognise quantities without counting) up to 5 	to 10, including double facts.	<ul style="list-style-type: none"> Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. 	<ul style="list-style-type: none"> Have a deep understanding of number to 10, including the composition of each number. 		
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Year 1	Autumn Term	Spring Term	Summer Term
Number – Number and Place Value	<p style="text-align: center;">Textbook 1A</p> <p style="text-align: center;">Unit 1, Numbers to 10</p> <ul style="list-style-type: none"> Sorting objects Counting objects to 10 Represent numbers to 10 Count objects from a larger group Count on from any number One more Count backwards from 10 to 0 One less Compare groups Fewer or more? <, > or = Compare numbers Order objects and number The number line 	<p style="text-align: center;">Textbook 1B</p> <p style="text-align: center;">Unit 6, Numbers to 20</p> <ul style="list-style-type: none"> Count to 20 Understand 10 11, 12 & 13 14, 15 & 16 17, 18 & 19 Understand 20 One more and one less The number line to 20 Label number lines Estimate on a number line Compare numbers to 20 Order numbers to 20 <p style="text-align: center;">Unit 8, Numbers to 50</p> <ul style="list-style-type: none"> Count to 50 Numbers to 50 20, 30, 40, 50 Count by making groups of 10s Groups of 10s and 1s Partition into 10s and 1s 	<p style="text-align: center;">Textbook 1C</p> <p style="text-align: center;">Unit 14, Numbers to 100</p> <ul style="list-style-type: none"> Count from 50 to 100 10s to 100 Partition into 10s and 1s Number line to 100 One more and one less Compare numbers



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<p>Number – Addition and Subtraction</p>	<p>Unit 2, Part-Whole within 10</p> <ul style="list-style-type: none"> • Parts and wholes • The part-whole model • Write number sentences • Fact families – addition facts • Number bonds • Find number bonds • Number bonds to 10 <p>Unit 3, Addition within 10</p> <ul style="list-style-type: none"> • Add together • Add more • Addition problems • Find the missing number <p>Unit 4, Subtraction within 10</p> <ul style="list-style-type: none"> • How many are left? • Break apart • Fact families • Subtraction on a number line • Add or subtract 1 or 2 • Solve word problems – addition and subtraction 	<ul style="list-style-type: none"> • One more, one less <p>Unit 7, Addition and subtraction within 20</p> <ul style="list-style-type: none"> • Add by counting on within 20 • Add ones using number bonds • Find and make number bonds to 20 • Doubles • Near doubles • Subtract ones using number bonds • Subtraction – count back • Subtraction – find the difference • Related facts – fact families • Missing number problems • Solve word and picture problems – addition and subtraction 	
<p>Number - Multiplication & Division</p>		<p>Unit 11, Multiplication & division</p> <ul style="list-style-type: none"> • Count in 2s • Count in 10s • Count in 5s • Equal groups • Add equal groups • Make arrays • Make doubles • Grouping • Sharing 	
<p>Number - Fractions</p>		<p>Unit 12, Fractions</p> <ul style="list-style-type: none"> • Recognise and find a half of a shape • Recognise and find a half of a quantity • Recognise and find a quarter of a shape • Recognise and find a quarter of a quantity 	
<p>Geometry – Properties of Shape</p>	<p>Unit 5, 2D & 3D Shapes</p> <ul style="list-style-type: none"> • Recognise and name 3D shapes • Sort 3D shapes • Recognise and name 2D shapes • Make patterns and shapes 		



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<p>Geometry – Position & Direction</p>		<p>Unit 13, Position and direction</p> <ul style="list-style-type: none"> Describe turns Describe position - left and right Describe position – forwards and backwards Describe position – above and below <p>Ordinal numbers</p>
<p>Measurement</p>	<p>Unit 9, Introducing length and height</p> <ul style="list-style-type: none"> Compare lengths and heights Measure length (non-standard units of measure) Measure length (using a ruler) Solve word problems - length <p>Unit 10, Introducing weight and volume</p> <ul style="list-style-type: none"> Heavier and lighter Measure mass Compare mass Full and empty Measure capacity Compare capacity Solve word problems – mass and capacity 	<p>Unit 15, Money</p> <ul style="list-style-type: none"> Recognise coins Recognise notes Count in coins <p>Unit 16, Time</p> <ul style="list-style-type: none"> Before and after Days of the week Months of the year Tell the time to the hour Tell the time to the half hour



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Year 2	Autumn Term	Spring Term	Summer Term
<p>Number – Number and Place Value</p>	<p>Textbook 2A</p> <p>Unit 1, Numbers to 100</p> <ul style="list-style-type: none"> • Numbers to 20 • Count in 10s • Count in 10s and 1s • Recognise 10s and 1s • Build a number from 10s and 1s • Use a place value grid • Partition numbers to 100 • Partition numbers flexibly within 100 • Write numbers to 100 in expanded form • 10s on a number line to 100 • 10s and 1s on a number line to 100 • Estimate numbers on a number line • Compare numbers • Order numbers • Count in 2s, 5s and 10s • Count in 3s 	<p>Textbook 2B</p> <p>Textbook 2C</p>	
	<p>Unit 2, Addition and Subtraction</p> <ul style="list-style-type: none"> • Fact families • Learn number bonds • Add two multiples of 10 • Complements to 100 (tens) • Add and subtracts 1s • Add by making 10 • Add using a number line • Add three 1 digit numbers • Add to the next 10 • Add across a 10 • Subtract across a 10 • Subtract from a 10 • Subtract a 1 digit number from a 2 digit number - across 10 <p>Unit 3, Addition and Subtraction</p> <ul style="list-style-type: none"> • 10 more, 10 less • Add and subtract 10s • Add two 2 digit numbers – add 10s and 1s • Add two 2 digit numbers – add more 10s and more 1s • Subtract a 2 digit number from a 2 digit number – not across 10 • Subtract a 2 digit number from a 2 digit number – across 10 • How many more? How many fewer? • Subtraction – find the difference • Compare number sentences • Missing number problems • Mixed addition and subtraction • Two step problems 		
<p>Number – Addition and Subtraction</p>			



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Number - Multiplication & Division		Unit 6, Multiplication & division <ul style="list-style-type: none">• Recognise equal groups• Make equal groups• Add equal groups• The x sign• Multiplication sentences• Use arrays• Make equal groups – grouping• Make equal groups – sharing Unit 7, Multiplication & division <ul style="list-style-type: none">• 2 times-tables• Divide by 2• Double and halve• Odd and even numbers• 10 times-tables• Divide by 10• 5 times-tables• Divide by 5• Bar modelling – groupings• Bar modelling – sharing	
Number - Fractions			Unit 10, Fractions <ul style="list-style-type: none">• Introducing parts and wholes• Equal and unequal parts• Recognise a half• Find a half• Recognise a quarter• Find a quarter• Thirds• Find the whole• Unit and non-unit fractions• Recognise the equivalence of a half and two quarters• Recognise three quarters• Count in fractions up to a whole
Geometry – Properties of Shape	Unit 4, Properties of shape <ul style="list-style-type: none">• Recognise 2D and 3D shapes• Count sides on 2D shapes• Count vertices on 2D shapes• Draw 2D shapes• Lines of symmetry on shapes• Sort 2D shapes• Making patterns with 2D shapes• Count faces on 3D shapes• Count edges on 3D shapes• Count vertices on 3D shapes• Sort 3D shapes• Making patterns with 3D shapes		



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<p>Geometry – Position & Direction</p>		<p>Unit 13, Position and direction</p> <ul style="list-style-type: none"> • Language of position • Describe movement • Describe turns • Describe movement and turns • Make patterns and by turning shapes
<p>Measurement</p>	<p>Unit 5, Money</p> <ul style="list-style-type: none"> • Count money – pence • Count money – pounds (notes and coins) • Count money – pounds and pence • Choose notes and coins • Make the same amount • Compare amounts of money • Calculate with money • Make £1 • Find change • Two step problems <p>Unit 8, length & height</p> <ul style="list-style-type: none"> • Measure in cm • Measure in m • Compare lengths and heights • Order lengths and heights • Four operations with lengths and heights <p>Unit 9, Mass, capacity & temperature</p> <ul style="list-style-type: none"> • Compare mass • Measure in grams • Measure in kilograms • Compare volume and capacity • Measure in mls • Measure in ls • Measure temperature using thermometers • Read thermometers 	<p>Unit 11, Time</p> <ul style="list-style-type: none"> • O'clock and half past • Quarter past and quarter to • Tell the time to 5 mins • Minutes in an hour • Hours in a day
<p>Statistics</p>		<p>Unit 14, Statistics</p> <ul style="list-style-type: none"> • Make tally charts • Tables • Block diagrams • Draw pictograms (1 to 1) • Interpret pictograms (1 to 1) • Draw pictograms (1 to 2, 5 to 10) • Interpret pictograms (1 to 2, 5 to 10)



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Year 3	Autumn Term	Spring Term	Summer Term
	<p align="center">Textbook 3A</p> <p align="center">Unit 1, Place value within 1,000</p> <ul style="list-style-type: none"> • Represent and partition numbers to 100 • Number line to 100 • 100s • Represent numbers to 1000 • Partition numbers to 1000 • Partition numbers to 1000 flexibly • 100s, 10s, 1s • Use a number line to 1000 • Estimate on a number line to 1000 • Find 1, 10, 100 more or less • Compare numbers to 1000 • Order numbers to 1000 • Count in 50s 		
Number – Number and Place Value			
	<p align="center">Unit 2, Addition and subtraction</p> <ul style="list-style-type: none"> • Apply number bonds within 10 • Add/subtract 1s • Add/subtract 10s • Add/subtract 100s • Spot the pattern • Add 1s across 10 • Add 10s across 100 • Subtract 1s across 10 • Subtract 10 across 100 • Making connections <p align="center">Unit 3, Addition and subtraction</p> <ul style="list-style-type: none"> • Add two numbers • Subtract two numbers • Add two numbers (across 10) • Add two numbers (across 100) • Subtract two numbers (across 10) • Subtract two numbers (across 100) • Add a 3 digit and a 2 digit number • Subtract a 2 digit number from a 3 digit number • Complements to 100 • Estimate answers • Inverse operations • Problem solving 		
Number – Addition and Subtraction			
	<p align="center">Unit 4, Multiplication and division</p> <ul style="list-style-type: none"> • Multiplication – equal groups • Use arrays • Multiples of 2 • Multiples of 5 and 10 	<p align="center">Unit 6, Multiplication and division</p> <ul style="list-style-type: none"> • Multiples of 10 • Related calculations • Reasoning about multiplication • Multiply 1 digit number by a 1 digit number – exchange 	
Number - Multiplication & Division			



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	<ul style="list-style-type: none"> Sharing and grouping <p>Unit 5, Multiplication and division</p> <ul style="list-style-type: none"> Multiply by 3 Divide by 3 The 3 times-tables Multiply by 4 Divide by 4 The 4 times-tables Multiply by 8 Divide by 8 The 8 times-tables Problem solving – multiplication and division Understand divisibility 	<ul style="list-style-type: none"> Expanded method Link multiplication and division Divide 2 digit number by 1 digit number – no exchange Divide 2 digit number by 1 digit number – flexible partitioning Divide 2 digits by 1 digit with remainders How many ways? Problem solving – mixed problems 	
Number - Fractions		<p>Unit 8, Fractions</p> <ul style="list-style-type: none"> Understand the denominator of unit fractions Compare and order unit fractions Understand the numerator of non-unit fractions Understand the whole Compare and order non-unit fractions Divisions on a number line Count in fractions on a number line Equivalent fractions as bar models Equivalent fractions on a number line Equivalent fractions 	<p>Unit 11, Fractions</p> <ul style="list-style-type: none"> Add fractions Subtract fractions Partition the whole Problem solving – add and subtract fractions Unit fractions of a set of objects Non-unit fractions of a set of objects Reason with fractions of an amount Problem solving – fractions of measures
Geometry – Properties of Shape			<p>Unit 14, Angles and properties of shapes</p> <ul style="list-style-type: none"> Turns and angles Right angles in shapes Compare angles Measure and draw accurately Horizontal and vertical Parallel and perpendicular Recognise, describe and draw 2D shapes Recognise and describe 3D shapes Make 3D shapes
Measurement		<p>Unit 7, Length and perimeter</p> <ul style="list-style-type: none"> Measure in m and cm Measure in cm and mm M, cms and mms Equivalent lengths – cm and m Equivalent lengths – cm and mm Compare lengths Add lengths Subtract lengths Measure perimeters Calculate perimeters Problem solving – length <p>Unit 9, Mass</p>	<p>Unit 12, Money</p> <ul style="list-style-type: none"> Pounds and pence Converting pounds and pence Add money Subtract money Find change <p>Unit 13, Time</p> <ul style="list-style-type: none"> Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use am and pm Years, months and days



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		<ul style="list-style-type: none">• Use scales• Measure mass• Measure mass in kilograms and grams• Equivalent masses• Compare mass• Add and subtract mass• Problem solving – mass <p style="text-align: center;">Unit 10, Capacity</p> <ul style="list-style-type: none">• Measure capacity and volume in litres and millilitres• Measure in litres and millilitres• Equivalent capacities and volumes (litres and millilitres)• Compare capacity and volume• Add and subtract capacity and volume• Problem solving – capacity	<ul style="list-style-type: none">• Days and hours• Hours and minutes – start and end times• Hours and minutes – durations• Hours and minutes – compare durations• Minutes and seconds• Solve problems with time
Statistics			<p style="text-align: center;">Unit 15, Statistics</p> <ul style="list-style-type: none">• Interpret pictograms• Draw pictograms• Interpret bar charts• Collect and represent data in a bar chart• Simple two way tables



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Year 4	Autumn Term	Spring Term	Summer Term
	<p>Textbook 4A</p> <p>Unit 1, Place value - 4-digit numbers</p> <ul style="list-style-type: none"> • Represent and partition numbers to 1,000 • Number line to 1000 • Multiples of 1000 • 4 digit numbers • Partition 4 digit numbers flexibly • 1, 10, 100, 100 more or less • 1000s, 100s, 10s, 1s <p>Unit 2, Place value - 4-digit numbers</p> <ul style="list-style-type: none"> • Number line to 10,000 • Between two multiples • Estimate on a number line to 10,000 • Compare and order numbers to 10,000 • Round to the nearest 1000 • Round to the nearest 100 • Round to the nearest 10 • Round to the nearest 1000, 100 or 10 	<p>Textbook 4B</p>	<p>Textbook 4C</p>
Number – Number and Place Value			
Number – Addition and Subtraction	<p>Unit 3, Addition and subtraction</p> <ul style="list-style-type: none"> • Add and subtract 1s, 10s, 100s, 1000s • Add two 4 digit numbers – one exchange • Add with more than one exchange • Subtract two 4 digit numbers • Subtract two 4 digit numbers - one exchange • Subtract two 4 digit numbers - more than one exchange • Exchange across two columns • Efficient methods • Equivalent difference • Estimate answers • Check strategies • Problem solving – one step • Problem solving – comparison • Problem solving – two steps • Problem solving – multi step 		
Number - Multiplication & Division	<p>Unit 5, Multiplication and division</p> <ul style="list-style-type: none"> • Multiples of 3 • Multiply and divide by 6 • 6 times-tables and division facts • Multiply and divide by 9 • 9 times-tables and division facts • The 3, 6 & 9 times-tables • Multiply and divide by 7 • 7 times-tables and division facts • 11 and 12 times-tables and division facts • Multiply by 1 and 0 	<p>Unit 6, Multiplication and division</p> <ul style="list-style-type: none"> • Factor pairs • Multiply and divide by 10 • Multiply and divide by 100 • Related facts – multiplication • Related facts – division • Multiply and add • Informal written methods • Multiply 2 digit by 1 digit • Multiply 3 digit by 1 digit • Solve multiplication problems 	



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Whole School Maths Curriculum Overview

	<ul style="list-style-type: none"> • Divide by 1 and itself • Multiply three numbers 	<ul style="list-style-type: none"> • Basic division • Division and remainders • Divide 2 digit numbers • Divide 3 digit numbers • Correspondence problems • Efficient multiplication 	
<p>Number - Fractions</p>		<p>Unit 8, Fractions</p> <ul style="list-style-type: none"> • Count beyond 1 • Partition a mixed number • Number lines with mixed numbers • Compare and order mixed numbers • Convert mixed numbers to improper fractions • Convert improper fractions to mixed numbers • Equivalent fractions • Equivalent fraction families • Simplify fractions <p>Unit 9, Fractions</p> <ul style="list-style-type: none"> • Add and subtract two or more fractions • Add fractions and mixed numbers • Subtract from mixed numbers • Subtract from whole amounts • Problem solving – add and subtract fractions • Fraction of an amount • Problem solving – fraction of an amount 	
<p>Number – Fractions, Decimals and Percentages</p>		<p>Unit 10, Decimals</p> <ul style="list-style-type: none"> • Tenths as fractions • Tenths as decimals • Tenths on a place value grid • Tenths on a number line • Divide 1 digit by 10 • Divide 2 digits by 10 • Hundredths as fractions • Hundredths as decimals • Hundredths on a place value grid • Divide 1 or 2 digits by 100 • Divide by 10 and 100 	<p>Unit 11, Decimals</p> <ul style="list-style-type: none"> • Make a whole • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole • Halves and quarters as decimals
<p>Geometry – Properties of Shape</p>			<p>Unit 14, Geometry – angles and 2D shapes</p> <ul style="list-style-type: none"> • Identify angles • Compare and order angles • Triangles • Quadrilaterals • Polygons • Reason about polygons • Lines of symmetry • complete a symmetric figure



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Geometry – Position and Direction			Unit 16, Geometry – position and direction <ul style="list-style-type: none"> Describe position Describe position using coordinates Plot coordinates Draw 2D shapes on a grid Translate on a grid Describe translation on a grid
Measurement	Unit 4, Measure - area <ul style="list-style-type: none"> What is area? Measure area using squares Count squares Make shapes Compare area 	Unit 7, Length and perimeter <ul style="list-style-type: none"> Measure in km and m Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Perimeters of polygons 	Unit 12, Money <ul style="list-style-type: none"> Write money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money Unit 13, Time <ul style="list-style-type: none"> Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital times Convert to the 24 hour clock Problem solving – convert units of time
Statistics			Unit 15, Statistics <ul style="list-style-type: none"> Interpret charts Solve problems with charts Interpret line graphs Draw line graphs



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Year 5	Autumn Term	Spring Term	Summer Term
Number – Number and Place Value	<p>Textbook 5A</p> <p>Unit 1, Place value within 1,000,000</p> <ul style="list-style-type: none"> Roman numerals Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Read and write 5- and 6-digit numbers Powers of 10 10/100/1,000/ 10,000/100,000 more or less Partition numbers to 1,000,000 <p>Unit 2, Place value within 1,000,000</p> <ul style="list-style-type: none"> Number line to 1,000,000 Compare and order numbers to 100,000 Compare and order numbers to 1,000,000 Round numbers to the nearest 100,000 Round numbers to the nearest 10,000 Round numbers to the nearest 10, 100 and 1,000 		<p>Textbook 5C</p> <p>Unit 15, Negative numbers</p> <ul style="list-style-type: none"> Understand negative numbers Count through zero Compare and order negative numbers Find the difference
	<p>Unit 3, Addition and subtraction</p> <ul style="list-style-type: none"> Mental strategies (addition) Mental strategies (subtraction) Add whole numbers with more than 4 digits Subtract whole numbers with more than 4 digits Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Solve missing number problems Solve comparison problems 		
Number – Addition and Subtraction			
Number - Multiplication & Division	<p>Unit 4, Multiplication and division</p> <ul style="list-style-type: none"> Multiples Common multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000 	<p>Unit 7, Multiplication and division</p> <ul style="list-style-type: none"> Multiply a number up to 4 digits by a 1-digit number Multiply 2-digit numbers (area model) Multiply 2-digit numbers Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number Divide a number up to 4 digits by a 1-digit number Divide with remainders Efficient division Solve problems with multiplication and division 	
Number - Fractions	<p>Unit 5, Fractions</p> <ul style="list-style-type: none"> Equivalent fractions Equivalent fractions – unit and non-unit fractions Equivalent fractions – families of equivalent fractions Improper fractions to mixed numbers Mixed numbers to improper fractions 	<p>Unit 8, Fractions</p> <ul style="list-style-type: none"> Multiply unit fractions by an integer Multiply non-unit fractions by an integer Multiply mixed numbers by integers Fraction of an amount Finding the whole 	



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	<ul style="list-style-type: none"> • Compare fractions less than 1 • Order fractions less than 1 • Compare and order fractions greater than 1 <p style="text-align: center;">Unit 6, Fractions</p> <ul style="list-style-type: none"> • Add and subtract fractions • Add fractions within 1 • Add fractions with total greater than 1 • Add to a mixed number • Add two mixed numbers • Subtract fractions within 1 • Subtract from a mixed number • Subtract from a mixed number – breaking the whole • Subtract two mixed numbers • Solve fraction problems • Solve multi-step fraction problems 	<ul style="list-style-type: none"> • Using fractions as operators 	
<p style="text-align: center;">Number – Fractions, Decimals and Percentages</p>		<p style="text-align: center;">Unit 9, Decimals and percentages</p> <ul style="list-style-type: none"> • Write decimals up to 2 decimal places – less than 1 • Write decimals up to 2 decimal places – greater than 1 • Equivalent fractions and decimals – tenths • Equivalent fractions and decimals – hundredths • Equivalent fractions and decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value grid • Compare and order decimals – same number of decimal places • Compare and order any decimals with up to 3 decimal places • Round to the nearest whole number • Round to one decimal place • Understand percentages • Percentages as fractions and decimals • Equivalent fractions, decimals and percentages 	<p style="text-align: center;">Unit 14, Decimals</p> <ul style="list-style-type: none"> • Add and subtract decimals within 1 • Complements to 1 • Add and subtract decimals across 1 • Add decimals with the same number of decimal places • Subtract decimals with the same number of decimal places • Add decimals with a different number of decimal places • Subtract decimals with a different number of decimal places • Problem solving with decimals • Decimal sequences • Multiply by 10 • Multiply by 10, 100 and 1,000 • Divide by 10 • Divide by 10, 100 and 1,000
<p style="text-align: center;">Geometry – Properties of Shape</p>			<p style="text-align: center;">Unit 12, Geometry – properties of shapes</p> <ul style="list-style-type: none"> • Understand and use degrees • Measure acute angles • Measure angles up to 180° • Draw lines and angles accurately • Calculate angles around a point • Calculate angles on a straight line • Lengths and angles in shapes • Regular and irregular polygons • Parallel lines • Perpendicular lines • Investigate lines • 3D shapes



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Geometry – Position and Direction		<p>Unit 13, Geometry – position and direction</p> <ul style="list-style-type: none"> • Read and plot coordinates • Problem solving with coordinates • Translate shapes • Translate points • Reflection • Reflection in horizontal and vertical lines 	
Measurement		<p>Unit 10, Measure – perimeter and area</p> <ul style="list-style-type: none"> • Perimeter of rectangles • Perimeter of rectilinear shapes • Perimeter of polygons • Area of rectangles • Area of compound shapes • Estimate area 	<p>Unit 16, Measurement – converting units</p> <ul style="list-style-type: none"> • Kilograms and kilometres • Millimetres and millilitres • Convert units of length • Imperial units of length • Imperial units of mass • Imperial units of capacity • Convert units of time • Timetables – calculating • Problem solving – units of measure <p>Unit 17, Volume</p> <ul style="list-style-type: none"> • Cubic centimetres • Compare volumes • Estimate volume
Statistics		<p>Unit 11, Graphs and tables</p> <ul style="list-style-type: none"> • Draw line graphs • Read and interpret line graphs • Read and interpret tables • Two-way tables • Timetables 	



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Whole School Maths Curriculum Overview

Year 6	Autumn Term	Spring Term	Summer Term
	<p>Textbook 6A</p> <p>Unit 1, Place value to 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 	<p>Textbook 6B</p>	<p>Textbook 6C</p>
<p>Number – Number and Place Value</p>	<p>Unit 2, Four operations</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 <p>Unit 3, Four operations</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 2-digit (long division) Divide a 4-digit number by 2-digit (long division) Long division with remainders Order of operations Brackets Mental calculations Reason from known facts 		<p>Unit 15, 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 Problem solving – fractions Problem solving – decimals Problem solving – percentages Problem solving – ratio and proportion Problem solving – time Problem solving – position and direction Problem solving – properties of shapes
<p>Number – Addition, Subtraction, Multiplication & Division</p>			
<p>Number - Fractions</p>	<p>Unit 4, Fractions</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 		
<p>Number – Fractions, Decimals and Percentages</p>	<p>Unit 5, Fractions</p> <ul style="list-style-type: none"> Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Mixed questions with fractions 	<p>Unit 9, 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 1,000 	



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	<ul style="list-style-type: none"> Fraction of an amount Fraction of an amount – find the whole 	<ul style="list-style-type: none"> Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Fractions to decimals Fractions as division <p style="text-align: center;">Unit 10, Percentages</p> <ul style="list-style-type: none"> Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Simple percentage of an amount Percentage of an amount – 1% Percentages of an amount Percentages (missing values) 	
Geometry – Properties of Shape			<p style="text-align: center;">Unit 13, 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 – missing angles Angles in a triangle – special cases Angles in quadrilaterals Angles in polygons Circles Parts of a circle Draw shapes accurately Nets of 3D shapes
Geometry – Position and Direction			<p style="text-align: center;">Unit 14, Geometry – position and direction</p> <ul style="list-style-type: none"> The first quadrant Read and plot points in four quadrants Translations Reflections Solve problems with coordinates
Measurement	<p style="text-align: center;">Unit 6, Measure – imperial and metric measures</p> <ul style="list-style-type: none"> Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures 	<p style="text-align: center;">Unit 11, 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 a parallelogram Problem solving – area Problem solving – perimeter Volume – count cubes Volume of a cuboid 	
Ratio and Proportion	<p style="text-align: center;">Unit 7, Ratio and proportion</p> <ul style="list-style-type: none"> Use ratio language Introduce the ratio symbol Use ratio 		



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	<ul style="list-style-type: none">• Scale drawing• Scale factors• Similar shapes• Ratio problems• Problem solving – ratio and proportion	
Algebra		Unit 8, Algebra <ul style="list-style-type: none">• Find a rule – one step• Find a rule – two steps• Form expressions• Substitution• Formulae• Form and solve equations• Solve one-step equations• Solve two-step equations• Find pairs of values• Solve problems with two unknowns
Statistics		Unit 12, Statistics <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• Pie charts and percentages• Introduction to the mean• Calculate the mean• Problem solving – mean