

Year Group	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 5 weeks	Spring 2 6 weeks	Summer 1 6 weeks	Summer 2 8 weeks
Nursery	-Counting Songs -More Than, Fewer and the Same -Explore and Build with shapes	- Pattern 1 - 1:1 correspondence - Hear and say number names - I hear 1,2,3	- Begin to order number names - Join in with repeats - Explore position and space - Show me 1,2,3 - Take and give 123	- Move and label 123 - Explore position and repeats - Explore own first patterns - Compare and sort collections - Talk about dots	- Start to puzzle - Making patterns together - Show me 5 - Make games and actions - 5 frames	- Stop at 12345 - My own pattern 10 frames
Foundation Stage 2	Maths singing Groups, sets and sorting Size, weight and capacity Patterns Numbers 0-3 Introducing subitising - Match pictures and objects - Sorting techniques and rules - Comparing size, mass, and capacity - Explore and continue simple patterns	Numbers 1-5 Shape – circles, triangles and 4 sided shapes - Identify and compare circles and triangles - Shapes in the environment - Positional language - Use of part-whole models - Identify and name shapes with four sides - Mastery of 5 - 1 less and 1 more	Numbers 5 -8 Mass and capacity - 1 more, 1 less - Compare mass - Explore capacity - Introduction of 10 frame - Make pairs odd/ even - Mastery of 6 and 7 - Representation and composition of numbers - Number formation	9 – 10 Length, height, time 3D shapes - Explore and compare length and height - 1 more and 1 less - Bonds to 10 - Doubles to 10 - Recognising and naming 3D shapes - 3D shapes in the environment	10 – 20 Beyond 20 Addition Subtraction Manipulating shapes/creation with shape - Building numbers beyond 10 up to 20 - Deeper focus on a single number (11-20) on each day of the week.	Pattern Positional language Mapping Sharing grouping Reasoning - Describe positions - Explore mapping - Selecting shapes for a purpose - Sharing and grouping - Pattern rules and creating own patterns

		- Time- conjunctions, day and night		- Order and sequence time		- Decompose and compose shapes
Year 1 and 2	Place Value -Counting and estimation -Teens in 2-digit numbers -Numbers on a line; compare/ order -Count to 100, 1 more/less; ordinals Addition and Subtraction -Partition numbers (number bonds) -Add by counting on in 1s or 10s -Counting back; understand + and –	Measures -Comparing and measuring lengths Addition and subtraction -Reinforce number bonds -Use number facts to add and subtract -Adding and subtracting tens and ones -Coin recognition- finding amounts and change Time -Half and quarter hours -Understand units of time Fractions -Understanding halves and quarters -Doubling and halving odd and even numbers	Place Value -2-digit place value Numbers and quantities Addition and subtraction -Mental addition and subtraction Money and time -Adding and subtracting money -Add and subtract pairs of 2-digit numbers -Tell the time; units of time	Measures and data -Compare and measure weight -Measure and represent capacity Addition and subtraction Multiplication -Clever counting (techniques) -Relating multiplication and division Fractions	Shape -2D shapes -Symmetry -3D shapes Place Value -2-digit numbers -Add and subtract 1-digit numbers using patterns -Bonds to 10; complements in 10s -Adding three numbers Fractions	Addition and subtraction -Bridging 10 and counting up -Finding totals Finding change Multiplication and division -Doubling and halving Position and time

		Multiplication -Counting in steps of 5 and 10				
Year 3	Place Value -Represent and partition numbers to 100 -Represent and partition numbers to 1000 -Represent and partition numbers to 10,000 -Hundred, tens and ones -Number line to 1000 -Find 1, 10, 100 and 1000 less -Round to the nearest 10, 100, 1,000 -Estimation, comparison and ordering numbers to 10,000 -Count in 50s -Roman numerals Addition and subtraction -Apply number bonds within 10	Multiplication and division -Equal groups -Arrays -Multiples of 2, 5 and 10 -Sharing and grouping -Multiply and divide by 3, 4 and 8 -Multiples of 3 -Multiply and divide by 6, 7, 9, 11 and 12 -Multiply by 1 and 0 -Related calculations -Reasoning about multiplication -Multiply and divide a 2-digit number by a 1-digit number (with and without exchanging) -Remainders -Scaling	Length and perimeter -Measure in metres, centimetres and millimetres -Equivalent lengths (m and cm) -Equivalent lengths (cm and mm) -Compare lengths -Add and subtract lengths -Perimeters (measure and calculate) Fractions -Denominators of unit fractions -Compare and order unit fractions -Understand the numerators of non-unit fractions -Understand the whole -Compare and order non-unit fractions -Scales -Number lines (counting and equivalent fractions)	Mass and capacity -Scales -Measure mass in grams and kilograms -Equivalent masses (kg and g) -Compare mass -Add and subtract mass -Measure capacity and volume in millilitres -Equivalent capacities and volumes (l and ml) -Compare capacity and volume -Add and subtract capacity and volume Fractions -Add and subtract fractions	Money -Pounds and pence -Convert pounds and pence -Add and subtract money -Find change Time -Roman numerals to 12 -Tell the time to 5 minutes -tell the time to the minute -Read time on a digital clock -Use a.m. and p.m. -Year, months and days -Days, hours and minutes -Start and end times -Durations -Minutes and seconds -Units of time -Problem solving	Shape -Turns and angles -Right angles -Compare angles -Measure and draw accurately -Horizontal and vertical -Parallel and perpendicular -Recognise and describe 2D shapes -Draw polygons -Recognise and describe 2D and 3D shapes -Make 3D shapes Statistics -interpret pictograms and bar charts -Draw pictograms and bar charts -Collect and represent data -Two-way tables

	-Add and subtract 1s, 10s and 100s -Patterns -Add and subtract 1s across a 10 -Add and subtract 10s across a 100 -Add and subtract two numbers -Add 2 and 3-digit numbers -Complements to 100 -Estimate answers -inverse operations	-Linking multiplication and division -Divide a number by 1 and itself -Multiply three numbers -Factor pairs -Multiply and divide by 10 and 100 -Informal methods -Multiply and divide a 2-digit number by a 1-digit number -Multiply and divide a 3-digit number by a 1-digit number	-Equivalent fractions on bar models	-Partition the whole -Unit fractions of a set of objects -Non-unit fractions of a set of objects -Reasoning with fractions of an amount		
Year 4		Area -Count squares -Make shapes -Compare areas	Length and perimeter -Measure in km and m -Equivalent lengths -Perimeter on a grid -Perimeter of a rectangle and rectangular shapes -Perimeter of regular polygons Fractions	Decimals -Tenths as fractions and decimals - Tenths on a place value chart and number line -Divide a 1-digit number by 10 -Divide a 2-digit number by 10	Money -Write money using decimals -Convert between pounds and pence -Compare amounts of money -Estimate with money -Calculate with money	Shape -Understand angles as turns -Identify angles -Compare and order angles -Triangles -Quadrilaterals -Polygons -Lines of symmetry -Compare a symmetric figure

			-Understand the whole -Count beyond 1 -Partition a mixed number -Compare and order mixed numbers -understand improper fractions -Convert mixed numbers to improper fractions -Convert improper fractions to mixed numbers -Equivalent fraction families -Add and subtract two or more fractions -Add and subtract fractions and mixed numbers -Subtract from whole amounts and mixed numbers	-Hundredths as fractions and decimals -Hundredths on a place value chart -Divide a 1-digit or 2-digit number by 100 -Make a whole with tenths -Make a whole with hundredths -Partition decimals -Flexibly partition decimals -Compare and order decimals -Round to the nearest whole number -Halves and quarters as decimals	-Solve problems with money Time -Years, months, weeks and days -Hours, minutes and seconds -Convert between analogue and digital times -Convert to and from the 24-hour clock Statistics -Interpret charts -Comparison, sum and difference -Interpret line graphs -Draw line graphs	Position and direction -Describe and position using coordinates -Plot coordinates -Draw 2D shapes on a grid -Translate on a grid -Describe translation on a grid
Year 5	Place Value -Roman numerals to 1,000 -Numbers to 10,000, 100,000 and 1,000,000	Fractions -Find fractions equivalent to a unit fraction -Find fractions equivalent to a non-unit fraction	Fractions -Multiply a unit fraction by an integer -Multiply a non-unit fraction by an integer	Perimeter and area -Perimeter of rectangles -Perimeter of rectilinear shapes -Perimeter of polygons	Position and direction -Read and plot coordinates -Problem solving with coordinates -Translation -Translation with coordinates	Negative numbers -Understand negative numbers -Count through zero in 1s -Count through zero in multiples

	-Read and write numbers to 1,000,000 -Powers of 10 -10/100/1,000/10,000 more or less -Partition numbers to 1,000,000 -Numberline to 1,000,000 -Compare and order numbers to 10,000 and 1,000,000 -Round to the nearest 10, 100 or 1,000 -Round within 10,000 and 1,000,000 Addition and subtraction -Mental strategies -Add and subtract whole numbers with more than four digits -Round to check answers -Inverse operations	-Recognise equivalent fractions -Convert improper fractions to mixed numbers -Convert mixed numbers to improper fractions -Compare and order fractions less than 1 -Compare and order fractions greater than 1 -Add and subtract fractions with the same denominator -Add fractions within 1 -Add fractions with total greater than 1 -Add to a mixed number -Add two mixed numbers -Subtract fractions -Subtract from a mixed number -Subtract from a mixed number – breaking the whole	-Multiply a mixed number by an integer -Calculate a fraction of a quantity -Fraction of an amount -Find the whole Step 7 Use fractions as operators Decimals and percentages -Decimals up to 2 decimal places -Equivalent fractions and decimals (tenths) -Equivalent fractions and decimals (hundredths) -Equivalent fractions and decimals -Thousandths as fractions and decimals -Thousandths on a place value chart -Order and compare decimals (same number of decimal places) -Order and compare any	-Area of rectangles -Area of compound shapes -Estimate area Statistics -Draw line graphs -Read and interpret line graphs -Read and interpret tables -Two-way tables -Read and interpret timetables Shape -Understand and use degrees -Classify and estimate angles -Measure angles up to 180° -Draw lines and angles accurately -Calculate angles around a point and a straight line -Lengths and angles in shapes -Regular and irregular polygons	-Lines of symmetry -Reflection in horizontal and vertical lines Decimals -Use known facts to add and subtract decimals within 1 -Complements to 1 -Add and subtract decimals across 1 -Add and subtract decimals with the same number of decimal places -Add and subtract decimals with different numbers of decimal places -Efficient strategies for adding and subtracting decimals -Decimal sequences -Multiply and divide by 10, 100 and 1,000 -Multiply and divide decimals – missing values	-Compare and order negative numbers -Find the difference Converting units -Kilograms and kilometres -Millimetres and millilitres -Convert units of length -Convert between metric and imperial units -Convert units of time -Calculate with timetables Volume -Cubic centimetres -Compare volume -Estimate volume and capacity
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	-Multi-step addition and subtraction problems -Compare calculations -Find missing numbers Multiplication and division -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	Multiplication and division -Multiply up to a 4-digit number by a 1-digit number -Multiply a 2-digit number by a 2-digit number (area model) -Multiply a 2-digit number by a 2-digit number -Multiply a 3-digit number by a 2-digit number -Multiply a 4-digit number by a 2-digit number -Solve problems with multiplication -Short division -Divide a 4-digit number by a 1-digit number -Divide with remainders -Efficient division -Solve problems with multiplication and division	- decimals with up to 3 decimal places -Round to the nearest whole number -Round to 1 decimal place -Understand percentages -Percentages as fractions and decimals - Equivalent fractions, decimals, and percentages	-3D shapes		
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Year 6	Place value -Numbers to 1,000,000 -Numbers to 10,000,000 -Read and write numbers to 10,000,000 -Powers of 10 -Number line to 10,000,000 -Compare and order any integers -Round any integer -Negative numbers Addition, subtraction, multiplication and division -Add and subtract integers -Common factors -Common multiples -Rules of divisibility -Primes to 100 -Square and cube numbers -Multiply up to a 4-digit number by a 2-digit number -Solve problems with multiplication -Short division -Division using factors -Introduction to long division	Fractions -Equivalent fractions and simplifying -Equivalent fractions on a number line -Compare and order (denominator) -Compare and order (numerator) -Add and subtract simple fractions -Add and subtract any two fractions -Add and subtract mixed numbers -Multi-step problems -Multiply fractions by integers -Multiply fractions by fractions -Divide a fraction by an integer -Mixed questions with fractions -Fraction of an amount -Fraction of an amount – find the whole Decimals -Place value within 1	Ratio -Add or multiply? -Use ratio language -Introduction to the ratio symbol -Ratio and fractions -Scale drawing -Use scale factors -Similar shapes -Ratio problems -Proportion problems -Recipes Converting units -Metric measures -Convert metric measures -Calculate with metric measures -Miles and kilometres -Imperial measures Area, perimeter and volume -Shapes – same area -Area and perimeter -Area of a triangle – counting squares -Area of a right-angled triangle -Area of any triangle -Area of a parallelogram	Position and direction -The first quadrant -Read and plot points in four quadrants -Solve problems with coordinates -Translations Shape - Measure and classify angles -Calculate angles -Vertically opposite angles -Angles in a triangle -Angles in a triangle – special cases -Angles in a triangle – missing angles -Angles in a quadrilateral -Angles in polygons - Small steps -Circles -Draw shapes accurately -Nets of 3-D shapes	Consolidation and problem solving -Best value -Profit and loss -Packaging -Cooking problems -Climate -Distance conversion graph -Conversion -Airport and accommodation -Budget -Time problems Statistics -Line graphs -Dual bar charts -Read and interpret pie charts -Pie charts with percentages -Draw pie charts -The mean	Algebra -function machines -2-step function machines -Form expressions -Substitution -Formulae -Form equations -Solve 1-step equations -Solve 2-step equations -Solve problems with two unknowns Consolidation and problem solving -Annual salary -Hourly rates -Bills -Mortgage -House
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	-Long division with remainders -Solve problems with division -Solve multi-step problems -Order of operations -Mental calculations and estimation	-Place value – integers and decimals -Round decimals -Add and subtract decimals -Multiply and divide by 10, 100 and 1,000 -Multiply and divide decimals by integers -Multiply and divide decimals in context Fractions, decimals, and percentages -Decimal and fraction equivalents -Fractions as division -Understand percentages -Fractions to percentages -Equivalent fractions, decimals and percentages -Order fractions, decimals and percentages -Percentage of an amount – one step	-Volume – counting cubes -Volume of a cuboid			
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		-Percentage of an amount – multi-step -Percentages – missing values				
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*Year 2 and 6 should have covered all of their year group objectives by the end of Summer 1 term SATS assessment purposes.