

Curriculum Overview - Maths

Year group	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Nursery	Comparison 1 Shape, space and measure 1 Counting 1 Counting 2	Subitising 1 Subitising 2 Counting 3 Shape, space and measure 2	Counting 4 Subitising 3 Comparison 2 Shape, space and measure 3 Pattern 1 Pattern 2	Pattern 3 Pattern 4 Shape, space and measure 4 Shape, space and measure 5	Pattern 5 Subitising 4 Counting 5	Pattern 6 Counting 6 Comparison 3
Reception	Just like Me! Match, sort and compare amounts Compare size, mass and capacity Explore patterns	It's Me 1, 2, 3 Representing 1, 2, 3 Comparing 1, 2, 3 Composition of 1, 2, 3 Circles and triangles Positional language Light and dark Representing numbers to 5 One more one less Shapes with 4 sides Time	Alive in 5 Introducing zero Composition of 4 and 5 Comparing numbers to 5 Compare mass Compare capacity Growing 6, 7 and 8 Composition of 6, 7 and 8 Making pairs Length and height Time	Building 9, 10 Composition of 9 and 10 Comparing numbers to 10 Number bonds to 10 3D shape Pattern	To 20 and Beyond Building numbers beyond 10 Counting patterns beyond 10 Spatial reasoning Match, rotate, manipulate First, then, now Adding more Taking away Spatial reasoning Compose and decompose	Find My Pattern Doubling Sharing and grouping Even and odd Spatial reasoning Visualise and build On the move Deepening understanding of patterns and relationships Spatial reasoning mapping
Year 1	Place Value (within 10) -Counting 1:1 correspondence	Addition and Subtraction cont.	Place Value cont. – (Numbers from 11-20) - Tens and Ones - One more one less	Place value (within 50) -Counting to 50 in 10s	Multiplication & Division - Recap count in 2s	Place value (within 100) - Counting to 100 by making 10s

	<ul style="list-style-type: none"> - Representing 10 - Counting on and back - Finding one more/one less - Greater than less than - Ordering/ comparing - Ordinal numbers - Number lines/tracks <p>Addition and subtraction</p> <ul style="list-style-type: none"> -Part whole model - Symbols (+, -, =) - Number bonds to 10 - Fact families - Simple addition 	<ul style="list-style-type: none"> - Simple subtraction - Finding the difference - Comparing addition and subtraction statements <p>Geometry</p> <ul style="list-style-type: none"> - Recognise 3D shapes - Sort 3D shapes - Recognise 2D shapes - Sort 2D shapes - Identifying patterns within 2D & 3D shapes 	<ul style="list-style-type: none"> - Compare objects/numbers - Order numbers <p>Addition and Subtraction (within 20)</p> <ul style="list-style-type: none"> - Add by counting on - Add ones using number bonds - Find and make number bonds - Subtraction not crossing 10 - Subtraction, counting back - Subtraction crossing 10 - Comparing number sentences 	<ul style="list-style-type: none"> - Counting on and back to 50 - Tens and Ones - Representing numbers to 50 - One more one less - Compare objects/ numbers - Order numbers - Counting in 2s - Counting in 5s <p>Length & Height</p> <ul style="list-style-type: none"> - Compare lengths - Compare heights <p>Mass & Volume</p> <ul style="list-style-type: none"> - Introduce weight & mass - Measure mass - Compare mass - Weight & mass problems - Capacity & volume - Measure & compare 	<ul style="list-style-type: none"> - Recap count in 5s - Count in 10s - Make equal groups - Add equal groups - Intro & make arrays - Make doubles - Making equal groups and sharing groups <p>Fractions</p> <ul style="list-style-type: none"> - Making half - Making a whole - Finding half of a quantity - Finding a quarter of a quantity <p>Position & Direction</p> <ul style="list-style-type: none"> - Describe turns - Describe positions 	<ul style="list-style-type: none"> - Counting on & back - Introducing the 100 square - Partitioning numbers -Comparing/ordering numbers - One more one less <p>Money</p> <ul style="list-style-type: none"> - Recognising coins - Recognising notes - Counting coins <p>Time</p> <ul style="list-style-type: none"> - Before & after - Dates - Time to the hour - Time to the half hour - Writing time - Comparing time
--	---	---	---	--	--	---

Year 2	<p>Place Value</p> <ul style="list-style-type: none"> - Count objects to 100 and read and write numbers in numerals and words - Represent numbers to 100 - Tens and ones with part-whole model - Place value chart - Compare and order objects and number - Count in 2s, 5s, 10s, 3s <p>Addition and Subtraction</p> <ul style="list-style-type: none"> - Fact families, bonds to 20 - Check calculations - Compare number sentences - Bonds to 100 	<p>Addition and subtraction (within 100)</p> <ul style="list-style-type: none"> - Add and subtract 1s - 10 more and 10 less - Add and subtract 10s - Add a 2 digit and 1 digit number crossing ten - Subtract a 1 digit from a 2 digit number crossing ten - Add two 2 digit numbers not crossing ten then crossing ten - Subtract 2 digit number from 2 digit number not crossing ten then crossing ten - Add three 1 digit numbers <p>Shape</p>	<p>Money</p> <ul style="list-style-type: none"> - Count money - pence and pound, notes and coins - Make the same amount - Compare money - Find the total/difference/change - Two step problems <p>Multiplication and division</p> <ul style="list-style-type: none"> - Make and add equal groups - Make arrays - Multiplication using x symbol and pictures - Use arrays - 2s, 5s, 10s times-table - Grouping - Divide by 2, 5, 10 - Odd and even numbers 	<p>Fractions</p> <ul style="list-style-type: none"> -Equal parts Measure length m - Compare lengths - Order lengths - Four operations with length - Problems solving <p>Time</p> <ul style="list-style-type: none"> -O'clock and half past - Quarter past and quarter to - Telling time to 5 minutes - Hours and days - Duration of time - Compare duration of time <p>Statistics</p> <ul style="list-style-type: none"> -Make Tally charts - Draw pictograms Interpret pictograms - Block diagrams 	<p>Position and direction</p> <ul style="list-style-type: none"> -Describe position - Problem solve with position - Describe movement and turns - Make patters with shapes <p>SATs revision</p>	<p>Measurement</p> <ul style="list-style-type: none"> -Measure length cm Measure length m - Compare lengths - Order lengths - Four operations with length - Problems solving <p>Measurement – Mass, Capacity and Temperature</p> <ul style="list-style-type: none"> - Introduce weight and mass - Measure mass - Compare mass - Measure in grams and kilograms - Introduce capacity and volume - Measure capacity - Compare volume - Millilitres - Litres - Four operation with mass - Four operations with volume - Temperature
--------	---	---	---	--	---	---

		<ul style="list-style-type: none"> - Count sides and vertices on 2d - Draw 2d shapes - Lines of symmetry - Sort 2d Shapes and make patterns - Count sides, faces and edges on 3d - Sort 3d shapes and make patterns 				
Year 3	<p>Place Value</p> <ul style="list-style-type: none"> --Representing numbers -100, 10s and 1s - Number lines to 100 and 1000 - Comparing numbers - Finding 1/10/100 more and less - Ordering numbers - Counting in 50s. 	<p>Addition and subtraction</p> <ul style="list-style-type: none"> - Adding and subtracting 3-digit numbers. - Mixed addition and subtraction problems - Addition and subtraction with exchanging. - Estimate answers - Check answers <p>Multiplication and division</p>	<p>Multiplication and division</p> <ul style="list-style-type: none"> - Multiply and divide by 3 - 3 times table - Multiply / divide by 4 - 4 times table - Multiply /divide by 8 - 8 times table <p>Length and perimeter</p> <ul style="list-style-type: none"> -Measure lengths - Equivalent length - Compare lengths - Add and subtract lengths - Perimeter 	<p>Fractions</p> <ul style="list-style-type: none"> -Working with parts and wholes - Making equal parts - Recognise and find a half then quarters - Recognise and find a third - Unit fractions - Non-unit fractions - Equivalent fractions -Count in fractions 	<p>Fractions</p> <ul style="list-style-type: none"> -Making the whole - Tenths as decimals - Fractions on a number line - Fractions of a set of objects - Equivalent fractions - Compare fractions - Order fractions - Add and subtract fractions <p>Money</p> <p>Pounds and Pence</p>	<p>Time</p> <ul style="list-style-type: none"> -24-hour clock - Finding and comparing durations - Start and end times - Problem solving with time <p>Properties of shape</p> <ul style="list-style-type: none"> - Turns and angles - Right angles in shape - Compare angles Draw accurately - Horizontal and vertical

	<p>Addition and subtraction</p> <ul style="list-style-type: none"> - Add and subtract multiples of 100 - Adding and subtracting not crossing 10 - Adding and subtracting crossing 10 	<p>Multiplication</p> <ul style="list-style-type: none"> - equal groups - Multiplication using the symbol - Using arrays - 2- and 5-times table - Making equal groups by sharing grouping - Divide by 2/5/10 	<ul style="list-style-type: none"> - Measure and calculate perimeter 	<p>Mass and capacity</p> <p>Measure and compare mass</p> <ul style="list-style-type: none"> - Add and subtract mass - Measure capacity - Compare volume - Compare capacity - Add and subtract capacity 	<ul style="list-style-type: none"> - Converting pounds and pence - Add money - Subtract money - Give change <p>Time</p> <ul style="list-style-type: none"> - O'clock and half past - Quarter past and quarter too - Months and years - Hours in a day - Telling the time to the minute - Using am and pm 	<ul style="list-style-type: none"> - Parallel and perpendicular - Describe 2D and 3D shapes - Make 3D shape <p>Statistics</p> <ul style="list-style-type: none"> - Tally charts - Pictograms - Bar charts - Tables
Year 4	<p>Place Value</p> <ul style="list-style-type: none"> - Numbers to 1000 - Rounding to 10, 100 and 1000 - Counting in 1000s – Partitioning - 1, 10, 100, 1000 more or less - Compare and order 4- digit numbers - Count in 25s 	<p>Addition and Subtraction</p> <ul style="list-style-type: none"> - Subtract two 4-digit numbers (no exchange then with exchange) - Efficient subtraction - Estimate answers - Checking strategies <p>Area</p>	<p>Multiplication and Division</p> <ul style="list-style-type: none"> - The 11 and 12 times tables - Multiply 3 numbers - Factor pairs - Efficient multiplication - Written methods - Multiply and Divide 2-digits and 3-digits by 1-digit <p>Length and Perimeter</p> <ul style="list-style-type: none"> - Equivalent lengths - Add and subtract lengths 	<p>Fractions cont</p> <ul style="list-style-type: none"> - Add and subtract fractions - Subtract from whole amounts - Fractions of a set of objects - Calculate fractions of a quantity <p>Decimals</p> <ul style="list-style-type: none"> - Tenths and hundredths - Tenths as decimals 	<p>Decimals</p> <ul style="list-style-type: none"> - Make a whole - Write, order and compare decimals - Round decimals - Halves and quarters <p>Money</p> <ul style="list-style-type: none"> - Ordering and estimating money - Convert pounds to pence - Adding and subtracting money - Give change 	<p>Shape</p> <ul style="list-style-type: none"> - Properties of a shape - Turns and angles - Identify and compare angles - Recognise and describe 2D shapes - Triangles - Quadrilaterals - Symmetry - Horizontal and vertical - Lines of symmetry <p>Statistics –</p>

	<ul style="list-style-type: none"> - Negative Numbers - Roman Numerals <p>Addition & Subtraction</p> <ul style="list-style-type: none"> - Add and subtract 1s, 10s, 100s and 1000s - Add two 3-digit (crossing and not crossing 10 or 100) - Add two 4-digit numbers (no exchange then with exchange) - Subtract a 3-digit number from a 3-digit number no exchange 	<ul style="list-style-type: none"> - Counting squares - Making shapes - Comparing area <p>Multiplication and Division</p> <ul style="list-style-type: none"> - Multiply and divide by 10 and 100 - Multiply by 1 and 0 - Divide by 1 and itself - The 3, 6, 7 and 9 times-table 	<ul style="list-style-type: none"> - Measure perimeter - Perimeter of a rectangle - Perimeter of rectilinear shapes <p>Fractions</p> <ul style="list-style-type: none"> - Unit and non-unit fractions - Tenths - Count in tenths - Equivalent fractions - Fractions greater than 1 - Counting in fractions 	<ul style="list-style-type: none"> - Divide 1-digit and 2- digits by 10 - Hundredths - Hundredths as decimals - Divide 1 or 2-digits by 100 	<ul style="list-style-type: none"> - Four operations <p>Time</p> <ul style="list-style-type: none"> - Telling the time to the nearest minute - Using a.m. and p.m. - 24-hour clock - Hours, minutes, seconds - Years, months, weeks, days - Analogue to digital 12-and 24-hour 	<ul style="list-style-type: none"> Interpret charts - Comparison, sum and difference - Line graphs <p>Position and direction</p> <ul style="list-style-type: none"> - Describe position - Draw on a grid - Move on a grid - Describe movement on a grid
Year 5	<p>Place value</p> <ul style="list-style-type: none"> Number to a million - Roman numerals to 1,000 - Round to the nearest 10, 100 and 1000 	<p>Multiplication and division</p> <ul style="list-style-type: none"> - Multiples and Factors - Common factors - Prime numbers Square numbers - Cube numbers - Multiplying by 	<p>Multiplication and division</p> <ul style="list-style-type: none"> -Multiply 4-digits by 1-digit - Multiply up to 4-digits by 2-digits - Divide 4-digits by 1-digit - Divide with remainders 	<p>Decimals and percentages</p> <ul style="list-style-type: none"> Decimals up to 2 d.p - Decimals as fractions - Understand thousandths - Rounding decimals. 	<p>Shape</p> <ul style="list-style-type: none"> Measuring angles with a protractor - Drawing lines and angles accurately - Calculating angles on a straight line - Calculating angles around a point 	<p>Negative numbers</p> <ul style="list-style-type: none"> Identify negative numbers - Plot negative numbers on a number line - Apply appropriate vocabulary

	<ul style="list-style-type: none"> - Compare and order numbers to a million - Round numbers to a million - Counting in 10s, 100s, 1,000s, 10,000s and 100,000s <p>Addition and Subtraction</p> <ul style="list-style-type: none"> - Add whole numbers with more than 4-digits (column method) - Subtract whole numbers with more than 4-digits (column method) - Round to estimate and approximate - Inverse operations (addition and subtraction) - Multi-step addition and 	<p>10, 100 and 1000</p> <ul style="list-style-type: none"> - Dividing by 10, 100 and 1000 - Multiples of 10, 100 and 1000 <p>Fractions</p> <p>Equivalent fractions</p> <ul style="list-style-type: none"> - Improper fractions to mixed numbers - Mixed numbers to improper fractions - Number sequences - Compare and order fractions less than 1 - Compare and order fractions greater than 1 - Add and subtract fractions - Add fractions within 1 - Add 3 or more fractions 	<p>Fractions</p> <p>Decimals and percentages</p> <p>Subtract fractions.</p> <ul style="list-style-type: none"> - Subtract mixed numbers - Subtract – breaking the whole - Multiply unit fractions by an integer - Multiply non-unit fractions by an integer - Multiply mixed numbers by integers - Fraction of an amount - Using fractions as operators 	<ul style="list-style-type: none"> - Order and compare decimals - Understand percentages - Percentages as fractions and decimals - Equivalent F.D.P. <p>Perimeter and Area</p> <ul style="list-style-type: none"> - Measure perimeter - Calculate perimeter - Area of rectangles - Area of compound shapes - Area of irregular shapes <p>Statistics</p> <ul style="list-style-type: none"> - Read, interpret and draw line graphs - Use line graphs to solve problems 	<ul style="list-style-type: none"> - Calculating lengths and angles in shapes - Regular and irregular polygons - Reasoning about 3D shapes <p>Position and direction</p> <ul style="list-style-type: none"> - Position in the first quadrant - Reflection. - Reflection with coordinates Translation - Translation with coordinates <p>Decimals</p> <p>Adding and subtracting decimals within 1</p> <ul style="list-style-type: none"> - Complements to 1 - Adding decimals – crossing the whole - Adding and subtracting decimals with the same then different number of decimal places 	<ul style="list-style-type: none"> - Solve problems involving negative numbers <p>Measurement:</p> <p>Converting Units</p> <ul style="list-style-type: none"> - Kilograms and kilometres - Milligrams and millilitres -Metric units - Imperial units - Converting units of time - Timetables <p>Measurement:</p> <p>Volume - What is volume? - Compare volume - Estimate volume - Estimate capacity</p>
--	---	--	--	--	---	--

	subtraction problems	-Add mixed numbers		- Read and interpret tables - Two-way tables Timetables	- Decimal sequences - Multiplying and dividing decimals by 10, 100 and 1000	
Year 6	<p>Place value Numbers to 10 million - Compare and order any numbers - Round any number - Negative numbers</p> <p>Addition, subtraction, multiplication and division Add and subtract any integer Multiply up to a 4-digit number by a 2-digit number - Short division - Long division - Multi-step problems - Factors and Multiples -</p>	<p>Fractions Simplify fractions - Fractions on a number line - Compare and order fractions - Add and subtract fractions - Multiply fractions (by integers and by fractions) Divide fractions by integers - Fractions with four operations - Fraction of an amount (including find the whole</p> <p>Converting units Converting and calculating with metric measures</p>	<p>Decimals Numbers with three decimal places - Multiply and divide by 10, 100 and 1000 - Multiply and divide decimals by integers - Converting fractions and decimals</p> <p>Area, perimeter and volume Area and perimeter - Area of a triangle - Area of a parallelogram - Volume of a cuboid</p> <p>Statistics Read and interpret line graphs - Draw line graphs and solve problems - Parts of circles - Read, interpret and draw pie charts - Understand and use the mean as an average</p>	<p>Position and direction Co-ordinates in all 4 quadrants - Translations - Reflections</p> <p>Ratio Using ratio language - Ratio and fractions - Calculating ratio - Using scale factors - Ratio and proportion problems</p> <p>Algebra Find a rule - Forming expressions and equations Substitution</p>	SATs revision	<p>Enterprise project Problem solving Projects Following the statutory assessments, we revise key concepts from the year and apply them in new contexts. - This also involves larger 'projects', activities and investigations to challenge children's thinking</p>

	<p>Primes to 100 - Squares and Cubes - Order of operations (BIDMAS) - Mental calculations and estimation</p>	<p>- Imperial measures</p> <p>Fractions, decimals and percentages</p> <p>Finding equivalent and ordering fractions, decimals and percentages - Percentage of an amount - Percentage missing values and problems Consolidate knowledge and move between fractions, decimals and percentages</p>	<p>Shape</p> <p>Measure angles</p> <ul style="list-style-type: none"> - Draw angles - Calculate angles: <ul style="list-style-type: none"> o Straight line o Around a point o Opposite angles - Angles in a triangle - Angles in quadrilaterals - Angles in regular polygons <p>Draw 2D shapes accurately</p> <ul style="list-style-type: none"> - Nets of 3D Shapes 	<ul style="list-style-type: none"> - Using formulae - Solving one- and two-step equations - Finding pairs of values 		
--	--	---	---	--	--	--