


## Maths Curriculum Overview 2022-2023

	Autumn	Spring	Summer			
EYFS	<p><b>Getting To Know You</b> Exploring continuous provision inside and out</p> <p><b>Just Like Me</b> Match and sort Compare amounts</p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor</p>	<p><b>It's Me 123</b> Representing 123 Comparing 123 Composition 123 Circles and Triangles Positional Language</p>  <p><b>Light and Dark</b> Representing numbers to 5 One more and less</p> <p><b>Consolidation</b></p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor</p>	<p><b>Alive in 5</b> Introducing 0 Comparing numbers to 5 Composition of 4 &amp; 5 Compare mass Compare capacity</p> <p><b>Growing 6, 7, 8</b> 678 Making pairs Combining two groups Length and Height Time)</p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor</p>	<p><b>Building 9 and 10</b> 9 &amp; 10 Comparing numbers to 10 Bonds to 10 3D Shape Patterns</p> <p><b>Consolidation</b></p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor Funky fingers - maths activity to consolidate previous week's learning</p>	<p><b>To 20 and Beyond</b> Building numbers beyond 10 Counting patterns beyond 10 Spatial reasoning Match, rotate, manipulate</p> <p><b>First, Then , Now</b> Adding more Taking away Spatial reasoning Compose and Decompose</p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor Funky fingers - maths activity to consolidate previous week's learning</p>	<p><b>Find My Pattern</b> Doubling Sharing and grouping Even and odd Spatial reasoning Visualise and build</p> <p><b>On The Move</b> Deepening understanding Patterns and relationships Spatial reasoning Mapping</p> <p><b>Number and counting songs</b> Continuous provision - indoor and outdoor Funky fingers - maths activity to consolidate previous week's learning</p>
Year 1	<p><b>Number: Place value (Within 10)</b> Count forwards to 10 Count backwards from 10 Count forwards and backwards to 20 Represent numbers from 11-20 as tens and ones Compare groups and numbers Introduce &lt;&gt; and = symbols Compare numbers (10 and 20) Order objects and numbers (10 and 20) Ordinal numbers The number line Sort , count and represent objects Count one more and one less</p> <p><b>Number: Addition and Subtraction (within 10)</b> Fact families - addition facts Number bonds to 10 Compare number bonds Related facts Addition symbol Subtraction - breaking apart Add by counting on and making 10</p> <p><b>Geometry: Shape</b> Recognising and Naming 3-D Shapes Sorting 3-D Shapes Recognising and Naming 2-D Shapes Sorting 2-D Shapes Patterns with 2-D and 3-D shapes</p> <p><b>Consolidation</b></p>	<p><b>Number: Place Value (Within 20)</b> Counting forwards and backwards from 100 Representing numbers as tens and ones Comparing groups and numbers Ordering objects</p> <p><b>Numbers: Addition and Subtraction (Within 20)</b> Adding by counting on Adding by making 10 Subtraction – not crossing 10 Subtraction – crossing 10 Related Facts Comparing Number Sentences</p> <p><b>Number: Place Value (within 50)</b> Numbers to 50 Counting forwards and backwards within 50 Representing numbers to 50 Tens and ones One more/less Comparing objects Comparing numbers Ordering numbers within 50 Counting in 2s and 5s</p> <p><b>Measurement: Length and Height</b> Comparing lengths and height Measuring lengths (non-standard units) Measure length (1) Using a ruler Problems involving adding and subtracting length</p>	<p><b>Number: Multiplication and Division</b> Counting in 2s Counting in 5s Counting in 10s Making equal groups Add, making and sharing into equal groups Using arrays Doubles</p> <p><b>Number: Fractions</b> Making and finding a half Making and finding a quarter Finding a quarter/half of a quantity</p> <p><b>Geometry: Position and Direction</b> Describe turns Describe position</p> <p><b>Number: Place Value (Within 100)</b> Counting to 100 Partitioning numbers Comparing Numbers Ordering numbers One more, one less</p> <p><b>Measurement: Money</b> Recognising coins Recognising notes Counting in coins</p> <p><b>Measurement: Time</b> Time to the hour Time to the half hour</p>			

		<p><b>Measurement: Mass and Volume</b>  Measuring mass  Comparing mass  Capacity and volume  Measuring capacity  Comparing capacity  Weight and mass problems</p>	<p>Before and After  Dates  Writing time  Comparing time</p> <p><b>Consolidation</b></p>
Year 2	<p><b>Number Place Value</b>  Count forwards and backwards to 100  Represent numbers to 100  Tens and One - part-whole model  Tens and ones using addition  Use a place value chart  Compare objects  Compare numbers  Order objects and numbers</p> <p><b>Number Addition and Subtraction</b>  Fact families - addition and subtraction bonds to 20  Bonds to 100 (tens and ones)  Add 2 digit and 1 digit - not crossing 10 and then crossing 10  Add three 1 digit numbers  Add and subtract 10 more and 10 less  Add and subtract 10s</p> <p><b>Geometry Properties of Shape</b>  Recognise 2D and 3D shapes  Count sides, vertices of 2D shapes  Draw 2D shapes  Lines of symmetry  Count faces, edges and vertices on 3D shapes  Sort 2D and 3D shapes  Make patterns with 2D and 3D shapes</p> <p><b>Consolidation</b></p>	<p><b>Measurement: Money</b>  Counting money  Making the same amount  Comparing money  Finding totals and differences  Finding change  Two-step problems involving money</p> <p><b>Number Multiplication and Division</b>  Make equal groups - sharing  Make equal groups grouping  Divide by 2  Odd and Even numbers  Divide by 5 and 10  Introduce division symbol  Recall division facts for 2,5,10 times table</p> <p><b>Measurement: Length and height</b>  Measure length (cm, m)  Compare and order lengths  Use four operations with lengths</p> <p><b>Measurement: Mass, capacity and temperature</b>  Compare mass  Measure mass (g and Kg)  Compare capacity  Millilitres and litres  Begin to measure Temperature</p>	<p><b>Number Fractions</b>  Recognise and find a half  Make equal parts  Recognise and find a quarter  Recognise and find a third  Unit fractions  Non unit fractions  Find three quarters  Equivalence of 1/2 and 2.4  Count in fractions</p> <p><b>Measurement Times</b>  O'clock and half past  quarter past and quarter to  telling time to 5 minutes  hours and days  find and compare duration of time</p> <p><b>Statistics</b>  Tally charts  Pictograms  Drawing and interpreting pictograms  Block diagrams</p> <p><b>Geometry Position and Direction</b>  Describe turns  Describe movement and turns  Describe position  Making patterns with shapes</p> <p><b>Consolidation</b></p>
Year 3	<p><b>Place Value</b>  Counting  Representing numbers  Find more or less  Compare and Order  Number lines to 100  Partitioning and representing numbers to 1,000  Estimating on a number line</p> <p><b>Number - Addition and Subtraction</b>  Add and Subtract multiples  Addition - adding more  Subtraction  Estimate and Check</p> <p><b>Number - Multiplication and Division</b>  Equal Groups (Y3)  Times Tables  Comparing and Applying</p>	<p><b>Number - Multiplication and Division</b>  Multiplication  Division  Correspondence  Scaling (Y3)</p> <p><b>Measurement, Length, Area and Perimeter</b>  Measure Length (Y3)  Equivalent lengths  Add and subtract lengths (Y3)  Perimeter</p> <p><b>Number - Fractions</b>  Recognising fractions  Equivalent fractions  Fractions of an amount  Compare and order (Y3)</p> <p><b>Measurement – Mass and Capacity</b>  Measure capacity  Comparing capacity  Temperature  Add and subtract capacity</p>	<p><b>Number: Fractions</b>  Tenths  Fractions on a number line, fractions of a set of objects  Equivalent fractions  Comparing and ordering fractions</p> <p><b>Number - Decimals including money</b>  Decimals  Writing and comparing money  Estimate money  Calculating with money</p> <p><b>Measurement - Time</b>  Converting time  Analogue time (Y3)  Digital time  Finding and comparing duration</p> <p><b>Geometry - Properties of Shape</b>  Angles  Lines (Y3)  2D shapes  3D shapes (Y3)</p>

					<p>Symmetry Co-ordinates</p> <p><b>Statistics</b> Pictograms (Y3) Bar Charts Tables (Y3) Line Graphs</p>	
Years 4 & 5	<p><b>Year 4</b> <b>Number Place Value</b> Roman Numerals 1,000, 100s, 10s and 1s Partitioning Number line to 10,000 Count in 1,000s Comparing and ordering numbers Negative Numbers Rounding</p> <p><b>Number Addition and Subtraction</b> Add and Subtract 4 digit numbers Inverse operations Multi-step addition and subtraction problems Estimating answers</p> <p><b>Number Multiplication and Division</b> Multiples and Factors Multiply and divide by 10,100</p> <p><b>Measurement: length, perimeter and Area</b> Perimeter of a rectangle Kilometres What is area? Making shapes and comparing shapes</p>	<p><b>Year 5</b> <b>Number Place Value</b> Roman Numerals Numbers to 10,000 Numbers to 100,000 Numbers to one million Counting in powers of 10 Comparing and ordering numbers Negative Numbers Rounding</p> <p><b>Number Addition and Subtraction</b> Inverse operations Add and Subtract more than 4 digit numbers Inverse operations Multi-step addition and subtraction problems</p> <p><b>Number Multiplication and Division</b> Multiples and Factors Multiply and divide by 10,100,1000 Cube numbers, square numbers, prime numbers</p> <p><b>Measurement: length, perimeter and Area</b> Measure perimeter Perimeter of rectilinear shapes Area of rectangles Area of compound shapes Area of irregular shapes</p>	<p><b>Year 4</b> <b>Multiplication and division</b> Efficient multiplication Multiply 2- and 3-digit numbers Divide 2- and 3-digit numbers by 1 digit</p> <p><b>Fractions</b> Equivalent fractions Fractions greater than 1 Counting in fractions Adding and subtraction fractions Fractions of a quantity</p> <p><b>Decimals</b> Tenths and hundredths Decimals on a place value grid and number line Writing decimals Divide 1-digit and 2-digit by 10</p> <p><b>Consolidation</b></p>	<p><b>Year 5</b> <b>Multiplication and division</b> Multiply 4-digit by 1-digit Multiply 2-digit and 3-digit by 2-digits Divide 4-digit divide by 1-digit Dividing with remainders</p> <p><b>Fractions</b> Equivalent fractions Improper to mixed numbers Number Sequences Comparing and ordering (less than 1) Add and subtract fractions Integers Fractions of amounts</p> <p><b>Percentages</b> Decimals up to 2 decimal places Decimals as fractions Understanding percentages Thousandths Divide by 10, 100 and 1000 Adding decimals within 1</p>	<p><b>Year 4</b> <b>Decimals</b> Pounds and pence Comparing and ordering decimals Money – estimating</p> <p><b>Time</b> Hours, minutes, seconds Years, months, weeks, and days Analogue to digital</p> <p><b>Statistics</b> Line graphs – reading, interpreting, and drawing</p> <p><b>Properties of Shape</b> Identifying angles Comparing and ordering angles Triangles Quadrilaterals Lines of symmetry Symmetric Figures</p> <p><b>Position and Direction</b> Describing position Drawing on a grid Moving on a grid Describing movement Translation with coordinates</p>	<p><b>Year 5</b> <b>Money</b> Comparing and ordering decimals Rounding decimals Adding and subtracting decimals Wholes and decimals, decimal sequences</p> <p><b>Time</b> Converting units of time Timetables</p> <p><b>Statistics</b> Line graphs – reading, interpreting, and drawing Problems with line graphs Read and interpret tables</p> <p><b>Properties of Shape</b> Using protractors Angles on a straight line Angles around a point Lengths and angles in shapes Regular and irregular polygons Reasoning about 3-D shapes</p> <p><b>Position and Direction</b> Position in the 1<sup>st</sup> quadrant Translation Translation with coordinates Reflection Reflection with coordinates</p>
Year 6	<p><b>Number and Place Value</b> Numbers to 10 million Compare and order any number Round any number Negative numbers</p> <p><b>Number Addition, Subtraction, Multiplication and Division</b> Add and subtract integers Multiply up to 4-digit by 2-digit number Short division Division using factors Long division Common factors Common multiples Primes to 100 Squares and cubes Order of operations Mental calculations and estimation</p>	<p><b>Number Decimals</b> Decimals up to 3 decimal places Multiply and divide 10,100, 1000 Multiply and divide decimals by integers Fractions as decimals</p> <p><b>Number Percentages</b> Fractions to percentages Equivalent FDP Percentage of amounts Percentages missing values</p> <p><b>Number Algebra</b> Find a rule, 1 and 2 step Substitution Forming equations solve 1 and 2 step problems Find pairs of values</p>	<p><b>Statistics</b> Read and interpret line graphs circles Pie charts The mean</p> <p><b>Geometry properties of shape</b> Measuring with a protractor Angles - straight line and around a point Angles in a triangle Angles in regular polygons Draw shapes and nets</p> <p><b>Consolidation and themed projects</b></p>			

	<p>Reasoning from known facts  Add whole numbers with more than 4 digits  Subtract whole numbers with 4 digits  Inverse operations (add and subtract)  Multi-step addition and subtraction problems</p> <p><b>Number fractions</b>  Improper fractions and mixed numbers  compare and order fractions  Add mixed numbers  Add and subtract fractions  Subtract mixed numbers</p> <p><b>Geometry Position and Direction</b>  The first and fourth quadrant  Translations  Reflections</p>	<p><b>Measurement Converting Units</b>  Metric measures  Calculate with measures  Imperial measures</p> <p><b>Measurement Area, Perimeter and Volume</b>  Area and Perimeter  Area of a triangle  Volume of a cuboid</p> <p><b>Number Ratio</b>  Using ratio language  Ratio and fractions  Calculating ratio  Using scale factors  Ratio and proportion problems</p> <p><b>Statistics</b>  Line graphs  Circles  Read and interpret pie charts  Draw pie charts  The mean</p>	
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