



Stanburn Curriculum Coverage Medium Term Plan

Maths



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	- Getting to know you! - Match, sort and compare - Talk about measure and patterns - It's me 1, 2, 3 - Circles and Triangles - 1, 2, 3, 4, 5 - Shapes with 4 sides		- Alive in 5 - Mass and capacity - Growing 6, 7, 8 - Length, height and time - Building 9 and 10 - Explore 3D shapes		- To 20 and beyond - How many now? - Manipulate, compose and decompose - Shaping and grouping - Visualise, build and map - Make connections	
					Consolidation	
YR1	Number - Place Value (within 10): <i>Sort and count objects (from small and then larger groups)</i> <i>Represent objects</i> <i>Recognise numbers as words</i> <i>Count on from any number</i> <i>1 more</i> <i>Count backwards within 10</i> <i>1 less</i> <i>Compare groups by matching</i> <i>Fewer, more, same</i> <i>Less than, greater than, equal to</i> <i>Compare numbers</i> <i>Order objects and numbers</i> <i>The number line</i> - Addition and subtraction (within 10): <i>Introduction of parts and wholes</i> <i>Part-whole model</i> <i>Write number sentences</i>		Number - Place Value (within 20): <i>Count within 20</i> <i>Understand 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i> <i>One more/one less</i> <i>The number line to 20</i> <i>Use a number line to 20</i> <i>Estimate on a number line to 20</i> <i>Compare and order numbers to 20</i> <i>Order number to 20</i> - Addition and subtraction (within 20): <i>Add by counting on within 20</i> <i>Add ones using number bonds</i> <i>Find and make number bonds to 20</i> <i>Doubles</i> <i>Near doubles</i> <i>Subtract ones using number bonds</i> <i>Subtraction – counting back</i> <i>Subtraction – finding the difference</i>		Number - Multiplication and division: <i>Count in 2s</i> <i>Count in 10s</i> <i>Count in 5s</i> <i>Recognise equal groups</i> <i>Add equal groups</i> <i>Make arrays</i> <i>Make doubles</i> <i>Make equal groups – grouping</i> <i>Make equal groups – sharing</i> - Fractions: <i>Recognise a half of an object or a shape</i> <i>Find a half of an object or a shape</i> <i>Recognise a half of a quantity</i> <i>Find a half of a quantity</i> <i>Recognise a quarter of an object of a shape</i> <i>Find a quarter of an object or a shape</i> <i>Recognise a quarter of a quantity</i> <i>Find a quarter of a quantity</i>	



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	<i>Fact families – addition facts</i> <i>Number bonds within 10</i> <i>Number bonds to 10</i> <i>Addition – add together</i> <i>Addition – add more</i> <i>Addition – problem solving and reasoning</i> <i>Find a part</i> <i>Subtraction – find a part</i> <i>Fact families – the ‘eight’ facts</i> <i>Subtraction – take away/cross out/how many left?</i> <i>Subtraction on a number line</i> <i>Add or subtract 1 or 2</i> Geometry - Shape: <i>Recognise, name and sort 3D shapes</i> <i>Recognise, name and sort 2D shapes</i> <i>Patterns with 2D and 3D shapes</i> Consolidation	<i>Related facts</i> <i>Missing number problems</i> - Place Value (within 50): <i>Count from 20-50</i> <i>20, 30, 40 and 50</i> <i>Count by making groups of 10</i> <i>Groups of tens and ones</i> <i>Partition into tens and ones</i> <i>The number line to 50</i> <i>Estimate on a number line to 50</i> <i>1 more, 1 less</i> Measurement - Length and Height: <i>Compare lengths and heights</i> <i>Measure length using objects</i> <i>Measure length in centimetres</i> - Mass and volume: <i>Heavier and lighter</i> <i>Measure mass</i> <i>Compare mass</i> <i>Full and empty</i> <i>Compare volume</i> <i>Measure capacity</i> <i>Compare capacity</i> Consolidation	Geometry - Position and direction: <i>Describe turns</i> <i>Describe position – left and right</i> <i>Describe position – forwards and backwards</i> <i>Describe position – above and below</i> <i>Ordinal numbers</i> Number - Place Value (within 100): <i>Count from 50 to 100</i> <i>Tens to 100</i> <i>Partition into tens and ones</i> <i>The number line to 100</i> <i>1 more, 1 less</i> <i>Compare numbers with the same number of tens</i> <i>Compare any two numbers</i> Measurement - Money: <i>Unitising</i> <i>Recognise coins</i> <i>Recognise notes</i> <i>Count in coins</i> - Time: <i>Before and after</i> <i>Days of the week</i> <i>Months of the year</i> <i>Hours, minutes and seconds</i> <i>Tell the time to the hour</i>
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			Tell the time to the half hour
			Consolidation
YR2	Number - Place Value: Numbers to 100 (in groups of 10) Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words 10s and 1s on a number line to 100 Estimate numbers on a number line Compare and order objects and numbers Count in 2s, 5s and 10s Count in 3s - Addition and subtraction: Bonds to 10 Addition and subtraction bonds within 20 Bonds to 100 Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 and subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 10 more, 10 less Add and subtract 10s Add two 2-digit numbers (across and not	Measurement - Money: 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 a pound Find change Two-step problems Number - Multiplication and division: Recognise equal groups Make equal groups Add equal groups Introduce the multiplication symbol Multiplication sentences Use arrays Make equal groups – grouping Make equal groups – sharing The 2 times-table Divide by 2 Doubling and halving Odd and even numbers The 10 times-table Divide by 10	Number - Fractions: Introduction to parts and whole Equal and unequal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Find the whole Unit fractions Non-unit fractions Recognise the equivalence of a half and two quarters Recognise three-quarters Find three-quarters Count in fractions up to a whole Measurement - Time: O'clock and half past Quarter past and quarter to Tell the time past the hour Tell the time to the hour Tell the time to 5 minutes Minutes in an hour Hours in a day Statistics



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	across 10) Subtract two 2-digit numbers (across and not across 10) Mixed addition and subtraction Compare number sentences Missing number problems Geometry - Shape: Recognise 2D and 3D shapes Count sides and vertices on 2D shapes Draw 2D shapes Lines of symmetry in shapes Sort 2D and 3D shapes Count faces, edges and vertices on 3D shapes Make 2D and 3D patterns	The 5 times-table Divide by 5 The 5 and 10 times-tables Measurement - Length and height: Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights - Mass, capacity and temperature: Compare mass Measure in grams Measure in kilograms Four operations with mass Compare volume and capacity Measure in millilitres Measure in litres Four operations with volume and capacity Temperature	Make tally charts Tables Block diagrams Draw pictograms (1-1) Draw pictograms (2, 5, 10) Interpret pictograms (2, 5 and 10) Geometry - Position and direction: Language of position Describe movement Describe turns Describe movement and turns Shape patterns with turns Consolidation
YR3	Number - Place Value: Represent and partition numbers to 100 Number line to 100 Hundreds Represent and partition numbers to 1,000 Flexible partitioning of numbers to 1,000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimate on a number line to 1,000	Number - Multiplication and division: Recognise multiples of 10 Understand reasoning style questions based on multiples of 10 Multiply a 2-digit number by a 1-digit number with no exchange and exchange Understand the links between multiplication and division Divide a 2-digit number by a 1-digit number with no exchange, exchange,	Number - Fractions: Add and subtract fractions Partition fractions and whole numbers Recognise, find and write fractions of a discrete set of objects Reason with fractions as an amount Measurement - Money: Recognise and convert pounds and pence



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	Compare and order numbers to 1,000 Count in 50s - Addition and subtraction: Apply number bonds within 10 Add and subtract 1s, 10s and 100s Spot the pattern Add and subtract 1s across a 10 Add and subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add and subtract two numbers across a 10 and across a 100 Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations Make decisions - Multiplication and division (A): Multiplication – equal groups Use arrays Multiples of 2, 5 and 10 Sharing and grouping Multiply and divide by 3 3 times-table Multiply and divide by 4 The 4 times-table	flexible partitioning and with remainders Multiplication through scaling Reason and problem solve using multiplication and division Measurement - Length and height: Measure in metres, centimetres and millimetres Find equivalent lengths using metres, centimetres and millimetres To compare lengths To add and subtract lengths To measure and calculate the perimeter Number - Fractions: Understand the denominators of unit fractions Understand the numerators of non-unit fractions Understand when a fraction becomes a whole Compare and order unit and non-unit fractions Count and place fractions on a number line Show equivalent fractions on number lines and as bar models Measurement - Mass and capacity:	Add and subtract money Subtract money to find change - Time: Recognise roman numerals to 12 Tell the time to 5 minutes and minutes Understand and use am and pm Read digital clocks Count/understand years, months and days and hours Compare duration of times/events Understand hours, minutes and seconds Estimate time Solve problems using time Geometry - Shape: Recognise angles as turns Recognise right angles Compare angles Measure and draw angles accurately Identify horizontal and vertical lines and pairs of perpendicular and parallel lines Recognise and describe 2D shapes Draw polygons Recognise, describe and make 3D shapes - Statistics: Interpret and draw pictograms Interpret and draw bar charts Collect and represent data including using
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	<i>Multiply and divide by 8</i> <i>The 8 times-table</i> <i>The 2, 4 and 8 times-tables</i>	<i>Use and plot number lines</i> <i>Measure mass in kilograms and grams</i> <i>Find equivalent masses, capacities and volumes</i> <i>Compare mass</i> <i>Add and subtract mass</i> <i>Measure capacity and volume in litres and millimetres</i> <i>Compare capacity and volume in litres and millimetres</i> <i>Compare capacity and volume</i> <i>Add and subtract capacity and volume</i>	<i>two-way tables</i> Consolidation
YR4	Number - Place Value: <i>Represent and partition numbers to 1,000</i> <i>Number line to 1,000</i> <i>Thousands</i> <i>Represent and partition numbers to 10,000</i> <i>Flexible partitioning of numbers to 10,000</i> <i>Find 1, 10, 100, 1,000 more or less</i> <i>Number line to 10,000</i> <i>Estimate on a number line to 10,000</i> <i>Compare and order numbers to 10,000</i> <i>Roman numerals</i> <i>Round to the nearest 10, 100 and/or 1,000</i> - Addition and subtraction: <i>Add and subtract 1s, 10s, 100s and 1,000s</i> <i>Add up to two 4-digit numbers – no exchange, one exchange and more than</i>	Number - Multiplication and division: <i>Recognise and use factor pairs</i> <i>Multiply by 10 and 100</i> <i>Divide by 10 and 100</i> <i>Solve multiplication and division problems</i> <i>Multiply a 2 –digit number by a 1-digit number</i> <i>Multiply a 3-digit number by a 1-digit number</i> <i>Divide a 2-digit number by a 1-digit number</i> <i>Divide a 3-digit number by a 1-digit number</i> Measurement - Length and perimeter: <i>Measure in kilometres and metres</i>	Number - Decimals: <i>Make a whole with tenths</i> <i>Make a whole with hundredths</i> <i>Partition decimals</i> <i>Compare decimals</i> <i>Order decimals</i> <i>Round decimals to the nearest whole number</i> <i>Recognise halves and quarters as decimals</i> Measurement - Money: <i>Write money using decimals</i> <i>Convert pounds and pence</i> <i>Compare amounts of money</i> <i>Estimate and calculate with money</i> <i>Solve word problems with money</i>



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	one exchange Subtract to two 4-digit numbers – no exchange, one exchange and more than one exchange Efficient subtraction Estimate answers Checking strategies Measurement - Area: What is area? Count squares Make shapes Compare areas Number - Multiplication and division (A): Multiples of 3 Multiply and divide by 6 6 times-table and division facts Multiply and divide by 9 9 times-table and division facts The 3, 6 and 9 times table Multiply and divide by 7 7 times-table and division facts 11 times-table and division facts 12 times-table and division facts Multiply by 1 and 0 Divide a number by 1 and itself Multiply 3 numbers	Find equivalent lengths Measure and calculate the perimeter of a rectilinear figure, rectangle, on a grid and of regular polygons Find missing lengths in rectilinear shapes Number - Fractions: Understand fractions as a whole Partition a mixed number Place fractions and mixed numbers onto number lines Compare and order mixed fractions Understand improper fractions Convert mixed numbers into improper fractions Convert improper fractions to mixed numbers Find equivalent fractions Recognise equivalent fraction families Add and subtract fractions Add fractions and mixed numbers Subtract from whole amounts Subtract from mixed numbers - Decimals: Recognise tenths as fractions and decimals Place tenths on place value charts and number lines Divide a 1-digit number by 10 Divide a 2-digit number by 10	- Time: Convert years, months, weeks and days Convert hours, minutes and seconds Convert between analogue and digital Convert to and from the 24 hour clock Consolidation Geometry - Shape: Understand/recognise angles as turns Identify angles Compare and order angles Compare and classify triangles, quadrilaterals and polygons Draw and understand lines of symmetry Complete symmetric figures Statistics Interpret charts Solve comparison, sum and difference problems represented through graphs Interpret line graphs Draw line graphs Geometry - Position and direction: Describe position using coordinates Plot coordinates Draw 2D shapes on a grid
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	Consolidation	<i>Recognise hundredths as fractions and decimals Place hundredths on place value charts Divide a 1 or 2 digit number by 100</i>	<i>Describe movements between positions as translations of a given unit Describe translations on a grid</i>
YR5	Number - Place Value: <i>Roman numerals to 1,000, 10,000; 100,000 and 1,000,000. Read and write numbers to 1,000,000 Powers of 10 10; 100; 1,000; 10,000; 100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 and 1,000,000 Round to the nearest 10, 100 or 1,000 Round within 100,000 and 1,000,000</i> - Addition and subtraction: <i>Mental strategies Add and subtract whole numbers with more than four digits Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations Find missing numbers</i>	Number - Multiplication and division: <i>Multiply 4 by 1 Multiply 2 by 2 (area model) Multiply 2 by 2, 3 by 2 and 4 by 2. Solve problems with multiplication Short division Divide 4 by 1 Efficient division Solve problems using multiplication and division</i> - Fractions: <i>Multiply unit/non-unit/mixed number fractions Fraction of quantity/amount Find the whole Fractions as operators</i> - Decimals and percentages: <i>Decimals up to 2 d.p. Equivalent fractions and decimals (tenths/hundredths) Thousandths as fractions, decimals and on a place value chart Order and compare decimals – up to 3 d.p. Round to nearest whole and 1 d.p.</i>	Geometry - Shape: <i>Understand and use degrees Classify, estimate and measure angles Draw lines and angles accurately Calculate angles around a point and on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D shapes</i> - Position and direction: <i>Read and plot coordinates Problem solving with coordinates Translation shapes and with coordinates Lines of symmetry Reflection in horizontal and vertical lines</i> Number - Decimals: <i>Add/subtract within 1 Complements to 1 Add/subtract across 1 Add/subtract with the same d.p. Add/subtract with different d.p. Efficient strategies for +/- decimals Decimal sequences</i>



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	- Multiplication and division (A): <i>Multiples and common multiples</i> <i>Factors and common factors</i> <i>Prime, Square and Cube numbers</i> <i>Multiply and divide by 10, 100 and 1,000</i> <i>Multiples of 10, 100 and 1,000</i> - Fractions (A): <i>Find fractions equivalent to a unit fraction</i> <i>Find fractions equivalent to a non-unit fraction</i> <i>Recognise equivalent fractions</i> <i>Convert improper fractions to mixed numbers and mixed to improper</i> <i>Compare and order fractions less than 1 and more than 1</i> <i>Add and subtract fractions with the same denominator</i> <i>Add fractions within 1</i> <i>Add fractions with a total more than 1</i> <i>Add to a mixed number</i> <i>Add two mixed numbers</i> <i>Subtract fractions</i> <i>Subtract from a mixed number</i> <i>Subtract from a mixed number – breaking the whole</i> <i>Subtract two mixed numbers</i>	<i>Understand percentages</i> <i>Percentages as fractions and decimals</i> <i>Equivalent FDP</i> Measurement - Perimeter and area: <i>Perimeter of rectangles, rectilinear shapes and polygons</i> <i>Area of rectangles and compound shapes</i> <i>Estimate area</i> Statistics <i>Draw, read and interpret line graphs</i> <i>Two way tables</i> <i>Read and interpret timetables and tables</i>	<i>X ÷ by 10/100 and 1000</i> <i>x ÷ decimals – missing values</i> - Negative numbers: <i>Understand negative numbers</i> <i>Count through zero in 1s and multiples</i> <i>Compare and order negative numbers</i> <i>Find the difference</i> Measurement - Converting units: <i>Convert using – kilograms, kilometres, millimetres, millilitres</i> <i>Concert units of length and time</i> <i>Convert between metric and imperial</i> <i>Calculate with timetables</i> - Volume: <i>Cubic centimetres</i> <i>Compare volume</i> <i>Estimate volume and capacity</i>
YR6	Number - Place Value: <i>Numbers to 1,000,000 and 10,000,000</i> <i>Read and write numbers to 10,000,000</i>	Number - Ratio: <i>Add or multiply?</i> <i>Use ratio language and symbol</i>	Geometry - Shape: <i>Measure , classify and calculate angles</i> <i>Vertically opposite angles</i>



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	<i>Powers of 10</i> <i>Number line to 10,000,000</i> <i>Compare, order and round any integers</i> <i>Negative numbers</i> - Addition, subtraction, multiplication and division: <i>Add and subtract integers</i> <i>Common factors and Common multiples</i> <i>Rules of divisibility</i> <i>Primes to 100</i> <i>Square and cube numbers</i> <i>Multiply up to a 4-digit number by a 2-digit number</i> <i>Solve problems with multiplication</i> <i>Short divisions</i> <i>Division using factors</i> <i>Long division and long division with remainders</i> <i>Solve problems with division</i> <i>Solve multi-step problems</i> <i>Order of operations</i> <i>Mental calculations and estimation</i> <i>Reason from known facts</i> - Fractions (A): <i>Equivalent fractions and simplifying</i> <i>Equivalent fractions on a number line</i> <i>Compare and order using the denominator and the numerator</i> <i>Add and subtract simple fractions</i>	<i>Ratio and fractions</i> <i>Scale drawing and scale factors</i> <i>Similar shapes</i> <i>Ratio and proportion problems</i> <i>Recipes</i> - Algebra: <i>1 and 2 step function machines</i> <i>Form expressions</i> <i>Substitution</i> <i>Formulae</i> <i>Form equations</i> <i>Solve 1 and 2 step problems</i> <i>Find pairs of values</i> <i>Solve problems with 2 unknowns</i> - Decimals: <i>Place value within 1</i> <i>Place value –integers and decimals</i> <i>Round decimals</i> <i>Add and subtract decimals</i> <i>X and ÷ by 10/100/1000</i> <i>X÷ decimals by integers and in context</i> - Fractions, decimals and percentages: <i>Decimal and fraction equivalents</i> <i>Fractions as division</i> <i>Understand percentages</i> <i>Fractions to percentages</i> <i>Equivalent fractions, decimals and percentages</i>	<i>Angles in a triangle, quadrilateral and polygon.</i> <i>Circles</i> <i>Draw shapes accurately</i> <i>Nets of 3-D shapes</i> - Position and direction: <i>The first quadrant</i> <i>Read and plot in four quadrants</i> <i>Solve problems with coordinates</i> <i>Translations</i> <i>Reflections</i> Themed projects, consolidation and problem solving.
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	<i>Add and subtract any two fractions</i> <i>Add mixed numbers</i> <i>Subtract mixed numbers</i> <i>Multi-step problems</i> - Fractions (B): <i>Multiply fractions by integers</i> <i>Multiply fractions by fractions</i> <i>Divide a fraction by an integer</i> <i>Divide any fraction by an integer</i> <i>Mixed questions with fractions</i> <i>Fraction of an amount</i> <i>Fraction of an amount – find the whole</i> Measurement - Converting units: <i>Metric measures</i> <i>Convert metric measures</i> <i>Calculate with metric measures</i> <i>Miles and kilometres</i> <i>Imperial measures</i>	<i>Order FDP</i> <i>Percentage of amounts – 1 and 2 step</i> <i>Percentages – missing values</i> Measurement - Area, perimeter and volume: <i>Shape – same area</i> <i>Area and perimeter</i> <i>Area of a triangle – counting squares</i> <i>Area of a right angled triangle</i> <i>Area of any triangle and parallelogram</i> <i>Volume – counting cubes</i> <i>Volume of a cuboid</i> Statistics <i>Line graphs</i> <i>Dual bar charts</i> <i>Read, interpret and draw pie charts – including percentages</i> <i>Finding the mean</i>	
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