

St John's Primary School
Mathematics Curriculum Overview

Year A & B	Autumn		Spring		Summer	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS	<p>ELGs: <i>Number: 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.</i> <i>Numerical Patterns: Verbally count beyond 20, 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; Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</i></p> <p>Numbersense, NCETM Environment, Fast task, Wow circle</p>					
	<p>Number Sense: Subitising 1 to 3 Subitising 1-5 Numberblocks</p> <p>NCETM-Environment Cardinality and Counting</p>	<p>Number Sense: Subitising 6-10 Numberblocks</p> <p>NCETM-Environment Comparison Shape</p>	<p>Number Sense: Partitioning 2-5 Composition of 6-10</p> <p>Numberblocks</p> <p>NCETM-Environment Patterns Composition</p>	<p>Number Sense: Partitioning 10</p> <p>Comparing quantities to 10 Patterns in numbers to 10 (Doubling; odd & evens; pattern)</p> <p>Numberblocks</p> <p>NCETM-Environment Patterns Measure</p>		
Y1	Previous Reception experiences and counting within 100 (Number and	Part-whole relationships (Number and place value)	Recognise, compose, decompose and manipulate 2D	Additive structures (Addition and subtraction)	Numbers 0 -20 (Addition and subtraction/ number facts)	Fractions Position and direction

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	place value) Comparisons of quantities and part-whole relationships (Number and place value)	Composition of number 0-5 (Addition and subtraction/ Number and place value)	and 3D shapes (Geometry) Numbers to 10 (Addition and subtraction/ Number and place value)	Addition and subtraction within 10 (Number facts) Count in 2s 5s 10s	Unitising and coin recognition (Number facts)	Time
Y2	Numbers 10 to 100 Calculations within 20 Fluently add and subtract within 10 Addition and subtraction of two-digit numbers	Addition and subtraction of two-digit numbers Introduction to multiplication Introduction to division structures	Addition and subtraction of two-digit numbers Fractions Multiplication and division – doubling, halving, quotitive and partitive division	Shape Money Time	Sense of measure – capacity, volume, mass (scales) Framework check	Position and direction Framework Gaps
Y3	Times tables and Numbersense					
	Numbersense - Facts and strategies across 10	Numbersense - Extending facts and strategies across 10	Doubles (5 weeks) 2x tables (5 weeks)	2x tables (5 weeks) Squares (5 weeks, 7 facts)	5x tables (5 weeks, 6 facts)	Consolidation - <u>21 of 36 facts learnt by end of Year 3</u>

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	Place value -HTO Compare and order numbers up to 1000 Identify, represent and estimate numbers using different representations. Find 10, 100 more or less Statistics – interpreting data (bar charts, pictograms, time graphs, tables). 2D shapes	+ and – 10's and 1's Add and subtract mentally Column methods Worded problems (Using bar model) Coordinates	Shape 2D shape – angles, measure perimeter Rounding Translation	Negative numbers Factor pairs Multiplication Short multiplication Tenths	Decimals Divide by 10, 100 and 1000. Fractions Division Position and direction Estimation and inverse operations Measure	Add and subtract Column methods Time Coordinates RTPS
Yr 4	Times tables					
	Self quizzing 2's, 5's 10's squares 3 x tables (5 weeks, 5 facts)	3 x tables (5 weeks, 5 facts) 4 x tables (5 weeks, 4 facts)	6 x tables (3 weeks, 3 facts) 7 x tables (3 weeks, 2 facts)	8 x table (2 weeks, 1 fact) 9 x table (2 weeks, 0 facts)	12 x table (4 weeks) MTC prep (3 week)	MTC (1 week) Consolidation (5 weeks)

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				10/11 TT (1 week)		
				More squares (1 week)		
	Place value -HTO Compare and order numbers up to 1000 Statistics – interpreting data 2D shape – Symmetry, compare and classify	+ and – 10's and 1's Add and subtract mentally Column methods Worded problems (Using bar model) Coordinates	Shape 2D shape – angles, measure perimeter Rounding Translation	Negative numbers Factor pairs Multiplication Short multiplication Tenths	Decimals Divide by 10, 100 and 1000. Fractions Division??? Position and direction Estimation and inverse operations Measure	Add and subtract Column methods Time Coordinates RTPS
Y5&6	Topic: Place value: Introducing new columns (HTH, M and up to 2dp).	Topic: Add and subtract missing digits. Short division	Topic: Fractions Comparing fractions	Topic: Volume Circles	Topic: Measurement and conversion	Topic: Year 5: Reasoning about geometry and fractions:

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	Rounding.	Long division	Ordering fractions	Fractions, decimals and percentages	Coordinates and translation	Compare, estimate and measure angles in degrees and draw angles of a given size
	Multiplying by 10/100/1000.	Fractions	Fractions of amounts	Statistics	Continued SATs booster	
	Negative numbers.	Writing and representing	Multiplying and dividing fractions	Algebra	SATs recap	Compare areas and calculate the areas of rectangles
	Roman Numerals.	Equivalent fractions	2D shape	Ratio and proportion	<u>Arithmetic</u>	
	Addition	Simplifying fractions	3D shape	Begin SATs boosters	Make it stick	Find non-unit fractions of quantities
	Subtraction	Adding and subtracting fractions	Calculating Angles	<u>Arithmetic</u>		Find equivalent fractions and understand they have the same value in the linear number system
	<u>Arithmetic</u>	Improper and mixed fractions	Measuring and drawing angles	Make it stick		recall decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, 1.5 and $\frac{1}{10}$ and multiples of these. E.g. $\frac{2}{10}$
	Mental addition methods		Perimeter, area			
	Mental subtraction methods	Coordinates, translation, symmetry.	<u>Arithmetic</u>	Properties of number		
	Inverse/missing number	<u>Arithmetic</u>	Multiples			
	Squared/cubed	Mental multiplication methods	Factors			
	BODMAS		Prime			
			Product			
			Fractions recap			

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		<p>Mental division methods</p> <p>Percentages x2/3</p>	<p>Four operations recap</p> <p>Percentages recap</p>			<p>Make it stick learning/investigations</p> <p>Year 6:</p> <p>Estimation and calculation work using calculators.</p> <p>Focus on any RTPs - (depending on what teachers feel needs to be addressed)</p> <p>Investigation based learning</p>
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