



Mundy Church of England Junior School

Medium Term Plan 2021-22

MATHS

Year 3 & 4 (mixed)

AUTUMN Term 1 & 2

Week	STRAND	Main Focus	Weekly Summary – Main Activities / Outcomes		Planning Reference
			YEAR 3	YEAR 4	
1.	Place Value	Place value Focus on revising the understanding and use of place value and number facts.	- Understanding place value of 2&3-digit numbers - compare and order 2&3-digit numbers - place 2&3-digit numbers on a number line - count on and back in 10s and 1s	- Read and write 4-digit numbers - know what each digit represents in a 4-digit number - compare 4-digit numbers using < and > - place 4-digit numbers on a number line	Abacus-Y3 A-W2&5&9 Abacus-Y4 A-W2 <i>[Mixed-age year3&4 week1]</i>
2.	Place Value	Place value Focus on revising the understanding and use of place value and number facts, developing a robust understanding of place value.	- Round 3-digit numbers to nearest 100 - solve problems using place value	- Round 4-digit numbers to the nearest: 10, 100 and 1000 - solve problems using place value	Abacus-Y3 A-W2&9 Abacus-Y4 A-W9
3.	Addition and Subtraction	Addition and subtraction Focus on mental strategies in addition and subtraction, including the use of a robust understanding of place value.	- Number bonds to 100 - Use multiple of 5 and 10 bonds to 100 to solve additions and subtractions - add and subtract 1-digit numbers to and from 2-digit numbers - add and subtract 2-digit numbers to and from 2-digit numbers	- Finding pairs with a total of 100 adding to the next multiple of 100 - finding pairs with a total of 100 subtracting to the previous multiple of 100 - subtract by counting up to find a difference - add 2-digit numbers mentally - adding several numbers	Abacus-Y3 A-W1&2 Abacus-Y4 A-W1&2



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4.	Addition and Subtraction	Addition and subtraction (& place value) Focus on understanding place value, including in money, and on using partitioning in adding and subtracting. Use formal written methods of addition and subtraction	- Use money to add and subtract and record using the correct notation and place value - add and subtract 2-digit numbers using partitioning - add three 2-digit numbers by partitioning and recombining.	- Add two 3-digit numbers using column addition - subtract a 3-digit number from a 3-digit number using an expanded column method (decomposing only in one column)	Abacus-Y3 A-W7 Abacus-Y4 A-W5
5.	Addition and Subtraction	Subtraction difference Focus on using an empty number line to find differences. Focus on different written methods in subtraction and choose between these.	- Using an empty number line to find differences - subtracting from 2-digit numbers - using prediction to estimate calculations - use counting up to do mental subtractions with answers between 10 and 20, 10 and 30, and either side of 100	- Subtract 3-digit numbers using the expanded written version - subtract 3-digit numbers using the counting up mental strategy - decide which method to use	Abacus-Y3 A-W5&9 Abacus-Y4 A-W9
6.	Measure	Time Focus on telling the time with increasing accuracy; Calculating time intervals.	- Know and understand the calendar, including days, weeks, months, years - tell the time to the nearest 5 minutes on analogue and digital clocks	- Tell and write the time to the minute on analogue and digital clocks - calculate time intervals	Abacus-Y3 A-W4 Abacus-Y4 A-W4
7.	Multiplication and Division	Multiplication and division	Revise times-tables learned: know multiplication and division	Learn $\times$ and $\div$ facts for the 6 and 9 times-table and identify	Abacus-Y3 A-W3&10



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			Focus on key multiplication and division facts and on doubling and halving.	- facts for the 5, 10, 2, 4 and 3 times-tables - revise times-tables learned and derive division facts - understanding of inverse	- patterns - multiply multiples of 10 by single-digit numbers - multiply 2-digit numbers by single-digit numbers (the grid method)	Abacus-Y4 A-W3
8.	Multiplication and Division		Multiplication and division Focus on developing a knowledge and understanding of multiplication and division to enable children to tackle harder problems.	- Doubling and halving numbers up to 100 using partitioning - perform division with remainders - solve word problems	- Use the grid method to multiply 3-digit by single-digit numbers and introduce the vertical algorithm - begin to estimate products - divide numbers (up to 2 digits) by single-digit numbers with no remainder, then with a remainder	Abacus-Y3 A-W3&6&10 Abacus-Y4 A-W10
9.	Fractions (including Decimals)		Fractions Focus on understanding a half and other unit fractions.	- Understand fractions as part of a whole - compare unit fractions - fractions of numbers/amounts	- Revise unit fractions - find fractions of amounts - identify equivalent fractions - reduce a fraction to its simplest form - count in fractions (each fraction in its simplest form)	Abacus-Y3 A-W6 Abacus-Y4 A-W3&6
10.	Y3 Geometry	Y4 Fractions (including Decimals)	3D shapes Fractions and decimals Focus on identifying, describing and sorting 3D shapes. Focus on decimals	Know the properties of 3D shapes	- Look at place value in decimals and the relationship between tenths and decimals - decimal-fraction equivalents	Abacus-Y3 A-W4 Abacus-Y4 A-W7



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11.	Measure	Length/capacity. Focus on the SI units and measurement of length and capacity; Using m, cm and mm in the measurement of lengths. And using SI units in measuring, reading scales and collecting, interpreting and recording data.	- Choose an appropriate instrument to measure a length - use a ruler to estimate, measure and draw to the nearest centimetre - know 1 litre = 1000 ml - estimate and measure capacity in millilitres	- Measure in metres, centimetres and millimetres - convert lengths between units - record using decimal notation - convert multiples of 100 g into kilograms - convert multiples of 100 ml into litres - read scales to the nearest 100 ml - estimate capacities	Abacus-Y3 A-W8 Abacus-Y4 A-W4&8
12.	Statistics	Data Focus on interpreting and recording data.	<i>REVISE recording data – tally, table etc</i>	- Draw bar charts - record and interpret information	Abacus-Y4 A-W8

+ ASSESSMENT WEEK

+ Revision Week		Topic choice specific to class needs.							
Key Questions:	Who can find a way to...?	What made you decide to do it that way?	Can you show me...?	How did you find that out?	What patterns do you notice?	What do you think?	Is there another way this could be done?	Is that right?	How do you know...?