



Mundy Church of England Junior School

Medium Term Plan 2020-21

MATHS

Year 5

SUMMER Term 1 & 2

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...?
Week	STRAND	Main Focus			Weekly Summary / Activities / Outcomes				Planning Reference
1.	Place Value	Place value Focus on place value in decimals, including multiplying and dividing by 10 and 100.			• Read, write and compare decimals to three decimal places • understanding that the third decimal place represents thousandths • multiply and divide numbers by 10, 100 and 1000 using 3-place decimal numbers in the calculations • place 2-place decimals on a number line and round them to the nearest tenth and whole number • read, write, order and compare 3-place decimal numbers • understand and use negative numbers in the context of temperature				Abacus-Y5 Su-W23
2.	Addition and Subtraction	Addition and subtraction Focus on adding and subtracting numbers in the context of money and contextual problems; written methods of addition and subtraction and choosing efficient strategies to solve problems.			• Add mentally 2-place decimal numbers in the context of money using rounding • add several small amounts of money using mental methods • mentally subtract amounts of money including giving change; calculate the difference between two amounts using counting up • add 5-digit numbers using written column addition • subtract 5-digit numbers using written method (decomposition) • solve word problems, including 2-step problems, choosing an appropriate method				Abacus-Y5 SuW21& W25
3.	Fractions	Fractions Focus on securing the concept of equivalent fractions to enable calculations with fractions.			• Revise equivalent fractions • compare and order fractions with related denominators • add fractions with same or related denominators, then convert answer into a mixed number				Abacus-Y5 Su-W26



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					• subtract fractions with same and related denominators • revise multiplying fractions by whole numbers				
4.	Fractions	Fractions, decimals and percentages Focus on understanding percentages and how they relate to fractions and decimals, and solving problems by finding percentages of amounts.			• Understand what percentages are, relating them to hundredths • know key equivalences between percentages and fractions • finding percentages of amounts of money • find equivalent fractions				Abacus-Y5 Su-W29
5.	Multiplication & Division	Multiplication Focus short and long multiplication of whole numbers.			• Identify factors and multiples • find factor pairs • multiplication to multiply 3-digit and 4-digit numbers by 1-digit numbers • use long multiplication to multiply 2-digit and 3-digit numbers by teens numbers				Abacus-Y5 Su-W22 & W26
6.	Multiplication & Division	Multiplication and division Focus on factors and multiples and on further developing written methods of multiplication and division.			• Use short division to divide 3-digit numbers by 1-digit numbers and 4-digit numbers by 1-digit numbers including those which leave a remainder • express a remainder as a fraction • use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers				Abacus-Y5 Su-W27
7.	Statistics	Statistics; line graphs and tables			• Draw and interpret line graphs showing change in temperature over time				Abacus-Y5 Su-W30(pt)



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					- begin to understand rate - use timetables using the 24-hour clock and use counting up to find time intervals of several hours and minutes				
8.	Geometry	Coordinate geometry; 2D and 3D shapes Focus on plotting, reflecting and translating shapes on coordinate grids; and on extending understanding of properties of 2D and 3D shapes.			- Read and mark co-ordinates in the first two quadrants - draw simple polygons using co-ordinates - translate simple polygons by adding to and subtracting from the co-ordinates - reflect simple shapes in the y axis or in a line, noting the effect on the co-ordinates - translate simple shapes and note what happens to the co-ordinates - draw regular and irregular 2D shapes using given dimensions and angles - use the properties of 2D shapes, including rectangles, to derive related facts - identify 3D shapes from 2D representations - create 3D shapes using 2D nets and draw 3D shapes				Abacus-Y5 Su-W24
9.	Geometry								
10.	Fractions	Fractions, decimals and percentages Focus on understanding percentages and how they relate to fractions and decimals, and solving problems by finding percentages of amounts.			- Multiply fractions less than 1 by whole numbers - convert improper fractions to mixed numbers - solve problems involving fraction and percentage equivalents - decimals and percentages				Abacus-Y5 SuW22& W29



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11.	Measure	Area and perimeter; volume Focus on calculating areas, perimeters and volumes, and understanding the difference between measurement in one, two and three dimensions.				- Find the area and perimeter of squares and rectangles by calculation and pursue a line of enquiry - estimate and find the area of irregular shapes - calculate the perimeter and area of composite shapes - use the relations of area and perimeter to find unknown lengths - begin to understand the concept of volume - find the volume of a cube or cuboid by counting cubes - understand volume as measurement in three dimension - relate volume to capacity - recognise and estimate volumes				Abacus-Y5 Su-W28
12.	Measure									
END of TERM ASSESSMENT (if relevant)										