

Curriculum Intent: MATHEMATICS (2024-25)

Year 4 MATHEMATICS					
ADVENT 1	ADVENT 2	LENT 1	LENT 2	PENTECOST 1	PENTECOST 2
<p>Number: Place Value [4 weeks] Step 1: Represent numbers to 1,000 Step 2: Partition numbers to 1,000 Step 3: Number line to 1,000 Step 4: Thousands Step 5: Represent numbers to 10,000 Step 6: Partition numbers to 10,000 Step 7: Flexible partitioning of numbers to 10,000 Step 8: Find 1, 10, 100, 1,000 more or less Step 9: Number line to 10,000 Step 10: Estimate on a number line to 10,000 Step 11: Compare numbers to 10,000 Step 12: Order numbers to 10,000 Step 13: Roman numerals</p>	<p>Number: Addition and Subtraction [1 week] Step 8: Efficient subtraction Step 9: Estimate answers Step 10: Checking strategies</p> <p>Measurement: Area [1 week] Step 1: What is area? Step 2: Count squares Step 3: Make shapes Step 4: Compare areas</p> <p>Number: Multiplication and Division A [3 weeks] Step 1: Multiples of 3 Step 2: Multiply and divide by 6 Step 3: 6 times-table and division facts Step 4: Multiply and divide by 9 Step 5: 9 times-table and division facts</p>	<p>Number: Multiplication and Division B [3 weeks] Step 1: Factor pairs Step 2: Use factor pairs Step 3: Multiply by 10 Step 4: Multiply by 100 Step 5: Divide by 10 Step 6: Divide by 100 Step 7: Related facts – multiplication and division Step 8: Informal written methods for multiplication Step 9: Multiply a 2-digit number by a 1-digit number Step 10: Multiply a 3-digit number by a 1-digit number Step 11: Divide a 2-digit number by a 1-digit number (1) Step 12: Divide a 2-digit number by a 1-digit number (2)</p>	<p>Number: Fractions [3 weeks] Step 5: Compare and order mixed numbers Step 6: Understand improper fractions Step 7: Convert mixed numbers to improper fractions Step 8: Convert improper fractions to mixed numbers Step 9: Equivalent fractions on a number line Step 10: Equivalent fraction families Step 11: Add two or more fractions Step 12: Add fractions and mixed numbers Step 13: Subtract two fractions Step 14: Subtract from whole amounts Step 15: Subtract from mixed numbers</p>	<p>Number: Decimals B [2 weeks] Step 1: Make a whole with tenths Step 2: Make a whole with hundredths Step 3: Partition decimals Step 4: Flexibly partition decimals Step 5: Compare decimals Step 6: Order decimals Step 7: Round to the nearest whole number Step 8: Halves and quarters as decimals</p> <p>Measurement: Money [2 weeks] Step 1: Write money using decimals Step 2: Convert between pounds and pence Step 3: Compare amounts of money Step 4: Estimate with money</p>	<p>Consolidation and Assessment [1 week]</p> <p>Geometry: Shape [2 weeks] Step 1: Understand angles as turns Step 2: Identify angles Step 3: Compare and order angles Step 4: Triangles Step 5: Quadrilaterals Step 6: Polygons Step 7: Lines of symmetry Step 8: Complete a symmetric figure</p> <p>Statistics [1 week] Step 1: Interpret charts Step 2: Comparison, sum and difference Step 3: Interpret line graphs Step 4: Draw line graphs</p>

<p>Step 14: Round to the nearest 10 Step 15: Round to the nearest 1000 Step 16: Round to the nearest 1,000 Step 17: Round to the nearest 10, 100 or 1,000</p> <p>Number: Addition and Subtraction [2 weeks] Step 1: Add and subtract 1s, 10s, 100s and 1,000s Step 2: Add up to two 4-digit numbers – no exchange Step 3: Add two 4-digit numbers – one exchange Step 4: Add two 4-digit numbers – more than one exchange Step 5: Subtract two 4-digit numbers – no exchange Step 6: Subtract two 4-digit numbers – one exchange Step 7: Subtract two 4-digit numbers – more than one exchange</p>	<p>Step 6: The 3, 6 and 9 times-tables Step 7: Multiply and divide by 7 Step 8: 7 times-table and division facts Step 9: 11 times-table and division facts Step 10: 12 times-table and division facts Step 11: Multiply by 1 and 0 Step 12: Divide a number by 1 and itself Step 13: Multiply three numbers</p> <p>Consolidation and Assessment [1 week]</p>	<p>Step 13: Divide a 3-digit number by a 1-digit number Step 14: Correspondence problems Step 15: Efficient multiplication</p> <p>Measurement: Length and Perimeter [2 weeks] Step 1: Measure in kilometres and metres Step 2: Equivalent lengths (kilometres and metres) Step 3: Perimeter on a grid Step 4: Perimeter of a rectangle Step 5: Perimeter of rectilinear shapes Step 6: Find missing lengths in rectilinear shapes Step 7: Calculate the perimeter of rectilinear shapes Step 8: Perimeter of regular polygons Step 9: Perimeter of polygons</p> <p>Number: Fractions [1 week]</p>	<p>Number: Decimals [3 weeks] Step 1: Tenths as fractions Step 2: Tenths as decimals Step 3: Tenths on a place value chart Step 4: Tenths on a number line Step 5: Decide a 1-digit number by 10 Step 6: Divide a 2-digit number by 10 Step 7: Hundredths as fractions Step 8: Hundredths as decimals Step 9: Hundredths n a place value chart Step 10: Divide a 1- or 2-digit number by 100</p>	<p>Step 5: Calculate with money Step 6: Solve problems with money</p> <p>Measurement: Time [2 weeks] Step 1: Years, months, weeks and days Step 2: Hours, minutes and seconds Step 3: Convert between analogue and digital times Step 4: Convert to the 24 hour clock Step 5: Convert from the 24 hour clock</p>	<p>Geometry: Position and Direction [2 weeks] Step 1: Describe position using coordinates Step 2: Plot coordinates Step 3: Draw 2-D shapes on a grid Step 4: Translate on a grid Step 5: Describe translation on a grid</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		<p>Step 1: Understand the whole</p> <p>Step 2: Count beyond 1</p> <p>Step 3: partition a mixed number</p> <p>Step 4: Number lines with mixed numbers</p>			
YEAR 4 VOCABULARY					
<p>Number: Place Value Thousands, hundreds, tens, ones, zero, greater than, less than, order, round, rounded to, negative number, partition, digit, roman numeral</p>	<p>Measurement: Area Kilometres, metres, centimetres, millimetres, squares, space, length, width, rectilinear</p>	<p>Number: Multiplication and Division Multiply, groups of, lots of, times, divide, share, remainder, factor, multiple, product, short multiplication, short division</p>	<p>Number: Fractions Numerator, denominator, unit fraction, non-unit fraction, equivalent, quantities, whole, halves, thirds, quarters, fifths, sixths, sevenths, eighths, ninths, tenths, elevenths, twelfths</p>	<p>Number: Decimals Tenths, hundredths, decimal tenths, decimal hundredths, decimal equivalents, part-whole model, rounding, decimal point, place value</p>	<p>Geometry: Shape Angle, right angle, acute, obtuse, horizontal, vertical, diagonal, parallel, perpendicular, two-dimensional, polygon, line of symmetry, reflection, mirror line, isosceles, equilateral, scalene, quadrilateral, rhombus, parallelogram, trapezium</p>
<p>Number: Addition and Subtraction Add, total, plus, sum, more, altogether, difference, subtract, less, minus, take away, mentally, orally, column addition, column subtraction, exchange, estimate, inverse operation, solve problems</p>	<p>Number: Multiplication and Division Multiply, groups of, lots of, times, divide, share, remainder, factor, multiple, product, short multiplication, short division</p>	<p>Measurement: Length and Perimeter Kilometres, metres, centimetres, millimetres, distance, length, width, rectilinear, right angle</p>	<p>Number: Decimals Tenths, hundredths, decimal tenths, decimal hundredths, decimal equivalents, part-whole model, rounding, decimal point, place value</p>	<p>Measurement: Money Amount, change, combinations, estimate, decimal, pence, penny, pounds, round, value, convert</p>	<p>Statistics Bar chart, pictogram, frequency table, tally chart, discrete data, continuous data, time graph, sum, difference, comparison, interpret</p>
		<p>Number: Fractions Numerator, denominator, unit</p>		<p>Measurement: Time 12-hour time, 24-hour time, roman numerals,</p>	<p>Geometry: Position and Direction</p>

		fraction, non-unit fraction, equivalent, quantities, whole, halves, thirds, quarters, fifths, sixths, sevenths, eighths, ninths, tenths, elevenths, twelfths		analogue, digital, hours, minutes, seconds, o'clock, half past, quarter past, quarter to, midday, midnight, noon, a.m., p.m.	Coordinate, quadrant, x-axis, y-axis, translation, vertex, vertices
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	---------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------