

Curriculum Intent: MATHEMATICS (2025-26)

Year 6 MATHEMATICS					
ADVENT 1	ADVENT 2	LENT 1	LENT 2	PENTECOST 1	PENTECOST 2
Number: Place Value [2 weeks] Step 1: Numbers to 1,000,000 Step 2: Numbers to 10,000,000 Step 3: Read and write numbers to 10,000,000 Step 4: Powers of 10 Step 5: Number line to 10,000,000 Step 6: Compare and order any integers Step 7: Round any integer Step 8: Negative numbers Number: Addition, Subtraction, Multiplication and Division [4 weeks] Step 1: Add and subtract integers Step 2: Common factors Step 3: Common multiples	Number: Addition, Subtraction, Multiplication and Division [1 week] Step 15: Order of operations Step 16: Mental calculations and estimation Step 17: Reason from known facts Number: Fractions A [2 weeks] Step 1: Equivalent fractions and simplifying Step 2: Equivalent fractions on a number line] Step 3: Compare and order (denominator) Step 4: Compare and order (numerator) Step 5: Add and subtract simple fractions Step 6: Add and subtract any two fractions	Number: Ratio [2 weeks] Step 1: Add or multiply? Step 2: Use ratio language Step 3: Introduction to the ratio symbol Step 4: Ratio and fractions Step 5: Scale drawing Step 6: Use scale factors Step 7: Similar shapes Step 8: Ratio problems Step 9: Proportion problems Step 10: Recipes Number: Algebra [2 weeks] Step 1: 1-step function machines Step 2: 2-step function machines Step 3: Form expressions Step 4: Substitution Step 5: Formulae Step 6: Form equations	Number: Fractions, Decimals and Percentages [2 weeks] Step 1: Decimal and fraction equivalents Step 2: Fractions as division Step 3: Understand percentages Step 4: Fractions to percentages Step 5: Equivalent fractions, decimals and percentages Step 6: Order fractions, decimals and percentages Step 7: Percentage of an amount – one step Step 8: Percentage of an amount – multi step Step 9: Percentages – missing values Measurement: Perimeter, Area and Volume [2 weeks]	Geometry: Shape [3 weeks] Step 1: Measure and classify angles Step 2: Calculate angles Step 3: Vertically opposite angles Step 4: Angles in a triangle Step 5: Angles in a triangle – special cases Step 6: Angles in a triangle – missing angles Step 7: Angles in a quadrilateral Step 8: Angles in a polygon Step 9: Circles Step 10: Draw shapes accurately Step 11: Nets of 3-D shapes Geometry: Position and Direction [1 week] Step 1: The first quadrant	Consolidation and Themed Projects [6 weeks]

Step 4: Rules of divisibility Step 5: Primes to 100 Step 6: Square and cube numbers Step 7: Multiply up to a 4-digit number by a 2-digit number Step 8: Solve problems with multiplication Step 9: Short division Step 10: Division using factors Step 11: Introduction to long division Step 12: Long division with remainders Step 13: Solve problems with division Step 14: Solve multi-step problems	Step 7: Add mixed numbers Step 8: Subtract mixed numbers Step 9: Multi-step problems Number: Fractions B [2 weeks] Step 1: Multiply fractions by integers Step 2: Multiply fractions by fractions Step 3: Divide a fraction by an integer Step 4: Divide any fraction by an integer Step 5: Mixed questions with fractions Step 6: Fraction of an amount Step 7: Fraction of an amount – find the whole Measurement: Converting Units [1 week] Step 1: Metric measures Step 2: Convert metric measures Step 3: Calculate with metric measures Step 4: Miles and kilometres Step 5: Imperial measures	Step 7: Solve 1-step equations Step 8: Solve 2-step equations Step 9: Find pairs of values Step 10: Solve problems with two unknowns Number: Decimals [2 weeks] Step 1: Place value within 1 Step 2: Place value – integers and decimals Step 3: Round decimals Step 4: Add and subtract decimals Step 5: Multiply by 10, 100 and 1,000 Step 6: Divide by 10, 100 and 1,000 Step 7: Multiply decimals by integers Step 8: Divide decimals by integers Step 9: Multiply and divide decimals in context	Step 1: Shapes – same area Step 2: Area and perimeter Step 3: Area of a triangle – counting squares Step 4: Area of a right-angled triangle Step 5: Area of any triangle Step 6: Area of a parallelogram Step 7: Volume – counting cubes Step 8: Volume of a cuboid Statistics [2 weeks] Step 1: Line graphs Step 2: Dual bar charts Step 3: Read and interpret pie charts Step 4: Pie charts with percentages Step 5: Draw pie charts Step 6: The mean	Step 2: Read and plot points in four quadrants Step 3: Solve problems with coordinates Step 4: Translations Step 5: Reflections Consolidation and Assessment [2 weeks]	
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YEAR 6 VOCABULARY					
Number: Place Value Ten million, millions, thousands, hundreds, tens, ones, zero, greater than, less than, order, round, rounded, negative number, partition, digit, interval, sequence, linear sequence	Number: Fractions Numerator, denominator, proper fraction, improper fraction, factor, highest common multiple, lowest common multiple, equivalents, common numerator, common denominator, decimal equivalent, simplify, simplest form, mixed number, whole number	Number: Ratio Proportion, for every __, there are __, part, whole, scale factor, enlargement, similar shapes, length, width, perimeter	Number: Percentages Per cent (%) = out of 100, discount, equivalent fraction, equivalent decimal, convert, compare, order, the whole	Geometry: Shape Angle, right angle, acute, obtuse, reflex, protractor, horizontal, vertical, parallel, perpendicular, polygon, regular, irregular, two-dimensional, three-dimensional, flat face, curved surface, edge, curved edge, vertex, vertices, apex, radius, diameter, circumference	
Number: Addition, Subtraction, Multiplication and Division Add, total, make, plus, sum, more, altogether, difference, leave, subtract, difference between, less, minus, take away, mentally, orally, column addition, column subtraction, estimate, inverse operation, solve problem, number facts, complex, multiply, groups of, lots of, times, divide, share, remainder, factor, multiple, product, squared, cubed, prime, short multiplication, long multiplication, short division, brackets, BODMAS		Number: Algebra Term to term rule, variable, unknown, expression, equation, formula, one-step equation, two-step equation, substitution, pair of unknowns, enumerate	Measurement: Perimeter, Area and Volume Squared units (m ²), Cubic units (cm ³), cuboid, width, length, rectangle, rectilinear, parallelogram, perpendicular height	Geometry: Position and Direction Translate, translation, reflect, reflection, up, down, right, left, coordinates, quadrant, x-axis, y-axis	
	Measurement: Converting Units Mass, gram, kilogram, capacity, volume, millilitre, litre, millimetre, centimetre, metre, kilometre, foot, inch,	Number: Decimals Decimal place, decimal fraction, recurring decimal, equivalent fraction, tenth, sharing, partitioning, exchanging, rounding to	Statistics Bar chart, pictogram, frequency table, tally chart, pie chart, discrete data, continuous data, line graph, sum,		

	ounce, pound, stone, pint, gallon	3d.p., hundredth, thousandth, equal to, remainder, grouping	difference, comparison, interpret, mean average	
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