Maths LTP: Coverage and Progression

Long Term Plan

Year Group: 3

p	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Aut	Place Value			Addition and Subtraction					Multiplication and Division A				Consolidation	Assessment
Spr	Multiplication and Division B			Length and Perimeter			Fractions A			Mass and Capacity			Consolidation	Assessment
Sum	Fractions B		Money		Time			Shape		Statistics		Consolidation	Assessment	Transition

Autumn Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning

	Autumn 1							Autumn 2						
	Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**	**Week 9**	**Week 10**	**Week 11**	**Week 12**	**Week 13**	**Week 14**
	Number: Place Value			**` Number: Addition and Subtraction**				**Number: Multiplication and Division A**					**Consolidation**	**Assessment Week**
Small Steps (WRM)	Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000	Partition numbers to 1,000 Flexible partitioning of numbers to 1,000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000	Estimate on a number line to 1,000 Compare numbers to 1,000 Order number to 1,000 Count in 50s	Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s Spot the pattern	Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections	Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100)	Subtract two numbers (across a 10) Subtract two numbers (across a 100) Add tw0-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number	Complements to 100 Estimate answers Inverse operations Make decisions	Multiplication – equal groups Use arrays Multiples of 2 Multiples of 5 and 10	Sharing and grouping Multiply by 3 Divide by 3 The 3 times table	Multiply by 4 Divide by 4 The 4 times table	Multiply by 8 Divide by 8 The 8 times table The 2, 4 and 8 times table		
Supporting Resources	**NCETM Spine:** 1.17 (TP1 hundreds, 1000, 50s, 25s) 1.18 (TP1 100s,10s,1s) (TP2 number line to 1000) (TP3 1,10,100 more or less) (TP4 compare order)			**NCETM Spine:** 1.18 (TP 5 add and sub multiples of 100) 1.19 1.17 (TP 3 + 4 crossing 10s and 100s) 1.20 (written addition) 1.21 (written subtraction)				**NCETM Spine:** 2.6 (revisit for equal groups) 2.8 (TP 1 mult and divide by 3) 2.7 (mainly TP2 mult divide by 4 incl 4x table) (TP3 & 4 mult and divide by 8 incl 8x table)						
Vocab	Place value, digit, hundreds, tens, ones, thousand, numeral, value, standard form, expanded form, word form, base ten, comparison, ordering, estimation, regrouping, partitioning			Addition, subtraction, sum, difference, addend, minuend, subtrahend, total, carry over, borrow, exchange, estimation, rounding, inverse operations, number line, decompose, equation, compensations, place value				Multiplication, division, factor, product, dividend, divisor, quotient, remainder, times table, array, repeated addition, equal groups, multiplicative comparison, inverse operations, skip counting, commutative law, partition, distribute						

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Aut	Place Value			Addition and Subtraction					Multiplication and Division A				Consolidation	Assessment
Spr	Multiplication and Division B			Length and Perimeter			Fractions A			Mass and Capacity			Consolidation	Assessment
Sum	Fractions B		Money		Time			Shape		Statistics		Consolidation	Assessment	Transition

Spring Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning

	Spring 1							Spring 2						
	Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**	**Week 9**	**Week 10**	**Week 11**	**Week 12**	**Week 13**	**Week 14**
	Number: Multiplication and Division B			**Measure: Length and Perimeter**			**Number: Fractions A**			**Measure: Mass and Capacity**			**Consolidation**	**Assessment Week**
Small Steps (WRM)	Multiples of 10 Related calculations Reasoning about multiplication Multiply a 2-digit number by a 1-digit number (No exchange)	Multiply a 2-digit number by a 1-digit number (with exchange) Link multiplication and division Divide a 2-digit number by a 1-digit number (no exchange)	Divide a 2-digit number by a 1-digit (flexible partitioning) Divide a 2-digit number by a 1-digit number (with remainders) Scaling How many ways?	Measure in metres and centimetres Measure in millimetres Measure in centimetres and millimetres Metres, centimetres and millimetres	Equivalent lengths (metres and centimetres) Equivalent lengths (centimetres and millimetres) Compare lengths Add lengths	Subtract lengths What is perimeter ? Measure perimeter Calculate perimeter	Understand the denominators of unit fractions Compare and order unit fractions Understand the numerators of non-unit fractions	Understand the whole Compare and order non-unit fractions Fractions and scales Fractions on a number line	Count in fractions on a number line Equivalent fractions on a number line Equivalent fractions as bar models	Use scales Measure mass in grams Measure mass in kilograms and grams Equivalent masses (kilograms and grams)	Compare mass Add and subtract mass Measure capacity and volume in millilitres Measure mass and capacity in millilitres and litres	Equivalent capacity of volumes (millilitres and litres) Compare capacity and volume Add and subtract capacity and volume		
Supporting Resources	**NCETM Spine**: 2.6 TP4 related 2.13 (TP 6 related facts taken from y4) 2.19 (related facts taken from y5) 2.17 and 2.8 (TP 5 scaling) 2.14 (select from TP 1 & 2) 2.15 (TP 1) (Concrete resources best for this topic)			**NCETM Spine:** 2.16 (TP 1 to introduce)			**NCETM Spine:** revisit Key Stage 1 3.1, 3.2 3.6 (TP 3 Fractions of amounts)							
Vocab	Multiplication, division, factor, product, dividend, divisor, quotient, remainder, times table, array, repeated addition, equal groups, multiplicative comparison, inverse operations, skip counting, commutative law, partition, distribute			Length, width, height, perimeter, distance, measure, unit, metre, centimetre, millimetre, inch, ruler, tape measure, scale, compare, estimate			Fraction, numerator, denominator, half, quatre, third, equivalent fractions, simplest form, mixed number, improper fractions, proper fraction, whole number, compare fractions, add fractions, subtract fractions, unit fractions, visual fractions model, partition			Mass, capacity, weight, gram, kilogram, litre, millilitre, scale, balance, measuring cup, measuring jug, volume, density, heavy, light, full, empty				

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Aut	Place Value			Addition and Subtraction					Multiplication and Division A				Consolidation	Assessment
Spr	Multiplication and Division B			Length and Perimeter			Fractions A			Mass and Capacity			Consolidation	Assessment
Sum	Fractions B		Money		Time			Shape		Statistics		Consolidation	Assessment	Transition

Summer Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning

	Spring 1							Spring 2						
	Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**	**Week 9**	**Week 10**	**Week 11**	**Week 12**	**Week 13**	**Week 14**
	Fractions B		**Money**		**Time**			**Shape**		**Statistics**		**Consolidation**	**Assessment**	**Transition**
Small Steps (WRM)	Add fractions Subtract fractions Partition the whole	Unit fractions of a set of objects Non-unit fractions of a set of objects Reasoning with fractions of an amount	Pounds and pence Convert pounds and pence Add money	Subtract money Find change	Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock	Use a.m. and p.m. Years, months and days Days and hours Hours and minutes	Hours and minutes – use durations Minutes and seconds Units of time Solve problems with time	Turns and angles Right angles Compare angles Measure and draw accurately Horizontal and vertical	Parallel and perpendicular Recognise and describe 2D shapes Draw polygons Recognise and describe 3D shapes Make 3D shapes	Interpret pictograms Draw pictograms Interpret bar charts	Draw bar charts Collect and represent data Two-way tables			
Supporting Resources	**NCETM Spine: 3.3** (compare and order) 3.4 (add and sub fractions) 3.7 (select from TP 1 + 2 only)													
Vocab	Fraction, numerator, denominator, half, quatre, third, equivalent fractions, simplest form, mixed number, improper fractions, proper fraction, whole number, compare fractions, add fractions, subtract fractions, unit fractions, visual fractions model, partition		penny (1p), two pence (2p), five pence (5p), and others up to two pounds (£2), as well as notes like five pounds (£5) and ten pounds (£10). Currency, coin, note, change, total, cost, and value, understanding decimal place value. greater than (>), less than (<), and equal to		Second, minute, hour, day, week, month, year, hour hand, minute hand, clock face, numbers (1-12) on the clock, o'clock, half past, quarter past, quarter to, AM, PM, before, after, past, to, early, late, morning, afternoon, evening, night, first, next, then, finally, last, duration, short, long, fast, slow, days of the week, months of the year, seasons, yesterday, today, tomorrow, routine, schedule, timetable, planning, waiting, time management, elapsed, how long, time passed, time taken, clock, watch, timer, calendar, word problems.			circles, squares, triangles, rectangles, ovals, and polygons such as pentagons, hexagons, and octagons. They also explore 3D shapes such as spheres, cubes, cones, cylinders, rectangular prisms, and pyramids. Concepts include shape attributes like sides, corners (or vertices), edges (for 3D shapes), curves, angles, symmetry, and terms related to size, position, and direction. Students learn transformation terms like rotate, flip (reflect), and slide (translate), as well as pattern and symmetry concepts.	Bar graphs, picture graphs (pictographs), tally charts, and line plots to organize and display data, more, less, equal, greater, and smaller, and learn about frequency, which refers to how often something occurs.			

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