

**Long term plan**

	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
<b>Aut</b>	Number: Place Value			Number: Addition and Subtraction						Assessment Week	Measurement: Money			Consolidation
<b>Spr</b>	Number: Multiplication and Division					Statistics	Geometry: Properties of shape	Assessment Week	Number: fractions					
<b>Sum</b>	Measurement: Length and height		Geometry: Position & Direction		Measurement: Time		Consolidation and problem solving	Assessment Week	Measurement: Mass, capacity and temperature		Consolidation and problem solving			

**Autumn Term:** Breakdown of small steps across the year – Based on **White Rose Maths (WRM) Schemes 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 (within 10)						Assessment Week	Measurement: Money			Consolidation
<b>Small Steps (WRM)</b>	Counting forwards and backwards within 20/50  Tens and ones within 20/50  Compare numbers within 50  Count objects to 100  Read and write numbers in numerals and words	Represent numbers to 100  Tens and ones with a part-whole model  Tens and ones using addition  Use a place value chart	Compare objects  Compare numbers  Order objects and numbers  Count in 2s  Count in 10s  Count in 5s  Count in 3s	Fact families – addition and subtraction bonds to 20  Check calculations  Compare number sentences  Related facts	Bonds to 10 (100)  Add and subtract 1s  10 more or 10 less  Add and subtract 10s	Add by making 10  Add a 2-digit and a 1-digit by crossing 10  Subtraction – crossing 10  Subtract a 1-digit number from a 2-digit number – crossing 10	Add two 2-digit numbers - <b>not crossing ten</b> – adding tens and ones  Add two 2-digit numbers - <b>crossing ten</b> – adding tens and ones	Subtract a 2-digit number from a 2-digit numbers - <b>not crossing ten</b> .  Subtract a 2-digit number from a 2-digit numbers - <b>crossing ten</b> – subtracting tens and ones	Find and make number bonds  Number bonds to 100  Add three 1-digit numbers.	Fluency boards – recap learning from Spring Term and address identified gaps/misconceptions.	Recognising coins and notes  Count money – pence  Count money – pounds (notes and coins)  Count money – pounds and pence (notes and coins)	Select money  Make the same amount  Compare money  Find the total	Find the difference  Find the change  Two-step problems	Recap on place value, addition and subtraction.
<b>Supporting Resources</b>	<b>Numberblocks: Series 4:</b> - Twenty one and on		Jack Hartman videos – on server or Youtube (counting in 2s, 5s, 10s).		<b>Numberblocks: Series 4:</b> - Ten times bigger - Sixties high score	<b>NCETM: Spine 2:</b> 1.11, 1.13	<b>NCETM: Spine 2:</b> 1.14, 1.15	<b>NCETM: Spine 2:</b> 1.16			<b>NCETM: Spine 2:</b> 2.1			
<b>Vocab</b>	ordering, comparing, part, whole, value, place value, even, odd, represent, greater than, less than, equal to, partitioning, recombining, tens, ones.			addition, add, plus, sum, total, altogether, subtraction, minus, take away, less than, greater than, fewer, more, equal to, the same as, calculation, operation, number bond, number fact, inverse, commutative, compare, less, more, addends, represent, part-whole model, bar model, tens frames.							pounds, pence, amount, change, difference, total, compare, greater than, less than			

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Spring Term: Breakdown of small steps across the year – Based on **White Rose Maths (WRM) Schemes 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					Statistics	Properties of shape		Assessment Week	Number fractions				
Small Steps (WRM)	Recognise equal groups	Use arrays	10 times table	Make equal groups - grouping (y1+y2)	Odd and even numbers	Make Tally Charts Draw pictograms (1-1)	Recognise 2D and 3D shapes	Count faces on 3D shapes	Fluency boards – recap learning from Spring Term and address identified gaps/ misconceptions.	Make equal parts	Unit fractions			
	Make equal groups	Make doubles	Make equal group sharing (y1+y2)	Divide by 2	Divide by 5	Interpret pictograms (1-1)	Count sides on a 2D shape	Count edges on 3D shapes		Recognise a half	Non-unit fractions			
	Add equal groups	2 times table			Divide by 10	Draw pictograms (2,5,10)	Count vertices on a 2D shape	Count vertices on 3D shapes		Find a half	Equivalence of ½ and ¼			
	Multiplication using x symbol	5 times table				Interpret pictograms (2,5,10)	Draw 2D shapes	Sort 3D shapes		Recognise a third	Find three quarters			
	Multiplication sentences from pictures					Block diagrams)	Lines of symmetry	Make patterns with 3D shapes		Find a third	Count in fractions			
Supporting Resources	NCETM: Spine 2: 2.2, 2.3, 2.4  Numberblocks: Series 4: - Sign of the times (Multiplication symbol) Series 5: - How Rectangly! (arrays) - Rectangle Racers (arrays) - Snow days double (doubling) - Two times shoe shop (2 times table) - Sky high fives (5 times table) - Heroes with Zeroes (10 times table)			NCETM: Spine 2: 2.5 and 2.6  Numberblocks: Series 4: - Divide and drive (equal groups) Series 5: - Twoland (even numbers to 20) - Odd side story (odds and evens) - The Team Factor (equal parts)			Numberblocks: Series 5: - How Rectangly! - Now in 3D Series 3: - Flatland			NCETM: Spine 2: 3.0 <a href="https://www.ncetm.org.uk/media/35fp13yk/ncetm_spine3_segment10_v2.pdf">https://www.ncetm.org.uk/media/35fp13yk/ncetm_spine3_segment10_v2.pdf</a>				
Vocab	sharing, grouping, array, product, multiplication, division, multiple, lots of, groups of, odd, even, multiples, repeated addition					statistics, tally chart, tallies, block diagram, pictogram, data	2D, 3D, symmetry, pattern, sides, vertices, vertex, edges, faces, sort, classify, vertical, horizontal, regular, irregular, quadrilateral, polygon,			fractions, half, quarter, third, unit fractions, non-unit fractions, numerator, denominator, equivalence				

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Summer Term: Breakdown of small steps across the year – Based on **White Rose Maths (WRM) Schemes of Learning**

	Summer 1						Summer 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
	Measurement: Length and height		Geometry: Position & Direction		Measurement: Time		Consolidation and problem solving	Assessment Week	Measurement: Mass, capacity and temperature		Consolidation and problem solving			
Small Steps (WRM)	Compare lengths and height	Measure length (m)	Describe position (1)	Describe turns	Telling time to the hour	Telling time to 5 minutes	Recap on four operations.	Fluency boards – recap learning from Spring Term and address identified gaps/ misconceptions.	Introduce weight and mass	Introduce capacity and volume	Plan dependent on assessment outcomes, identified gaps in learning, misconceptions. Opportunities for problem solving, using knowledge in different contexts.			
	Measure length (1)	Compare lengths	Describe position (2)	Describe movements and turns	Telling time to the half hour	Writing time			Measure Mass	Measure capacity				
	Measure length (2)	Order lengths	Describe movement	Making patterns with shapes	O'clock and half past	Hours and days			Compare Mass	Compare volume				
Supporting Resources					Numberblocks: Specials: - About time				Measure mass in grams	Millilitres				
Vocab	length, height, measure, compare, greater than, less than, equal to, scale, ruler, metre stick, standard units (cm, m)		position, direction, movement, turn, half, full, clockwise, anti-clockwise, rotation, quarter		time, o'clock, half past, quarter to, quarter past, intervals, clock face, hour hand, minute hand, clockwise, anti-clockwise, duration, hours, days, minutes, interval, analogue				weight, heavy, light, mass, volume, capacity, scale, temperature, degrees, standard units (g, kg, ml, l)					