



Year 1 Maths Long Term Map

Autumn	Number Place value (within 10)	Number Addition and subtraction (within 10)		Geometry Shape	Consolidation		
Spring	Number Place value (within 20)	Number Addition and subtraction (within 20)	Number Place value (within 50)	Measurement Length and height	Measurement Mass and volume		
Summer	Number Multiplication and division	Number Fractions	Geometry Position and direction	Number Place value (within 100)	Measurement Money	Measurement Time	Consolidation

White Rose Steps		
Number: Place Value (within 10)	Can you...	National Curriculum Objectives
Step 1: Sort objects	Can you sort objects?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 2: Count objects	Can you count objects?	
Step 3: Count objects from a larger group	Can you count objects from a larger group?	
Step 4: Represent objects	Can you represent objects?	
Step 5: Recognise numbers as words	Can you recognise numbers as words?	
Step 6: Count on from any number	Can you count on from any number?	
Step 7: 1 more	Can you find one more?	
Step 8: Count backwards within 10	Can you count backwards within 10?	
Step 9: 1 less	Can you find one less?	
Step 10: Compare group by matching	Can you compare groups by matching?	
Step 11: Fewer, more, same	Can you compare numbers of objects using the words, fewer, more and same?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 12: Less than, greater than, equal to	Can you compare numbers using the words and symbols for less than, greater than or equal to?	
Step 13: Compare numbers	Can you compare numbers?	
Step 14: Order objects and numbers	Can you order objects and numbers?	
Step 15: The number line	Can you use a number line to count, order and compare numbers?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

Number: Addition and Subtraction (within 10)		
Step 1: Introduce parts and whole	Can you recognise parts and wholes?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer) Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer) Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 2: Part-whole model	Can you explore the part-whole model?	
Step 3: Write number sentences	Can you use the addition symbol in a number sentence?	
Step 4: Fact families - addition facts	Can you explore addition fact families?	
Step 5: Number bonds within 10	Can you explore number bonds to 10?	
Step 6: Systematic number bonds within 10	Can you identify number bonds within 10?	
Step 7: Number bonds to 10	Can you identify all number bonds to 10?	
Step 8: Addition - add together	Can you add numbers together?	
Step 9: Addition - add more	Can you explore addition by adding more?	
Step 10: Addition problems	Can you solve addition problems?	
Step 11: Find a part	Can you use your number bonds to find a part?	
Step 12: Subtraction - find a part	Can you find a part by subtracting?	
Step 13: Fact families - the eight facts	Can you explore the eight fact families?	
Step 14: Subtraction - take away/cross out (How many left?)	Can you subtract by taking away?	
Step 15: Subtraction - take (How many left?)	Can you record subtraction in a number sentence?	
Step 16: Subtraction on a number line	Can you subtract using a number line?	
Step 17: Add or subtract 1 or 2	Can you add or subtract 1 or 2?	
Geometry: Shape		
Step 1: Recognise and name 3-D shapes	Can you recognise and name 3-D shapes?	<ul style="list-style-type: none"> Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]
Step 2: Sort 3-D shapes	Can you sort 3-D shapes?	
Step 3: Recognise and name 2-D shapes	Can you recognise and name 2-D shapes?	
Step 4: Sort 2-D shapes	Can you sort 2-D shapes?	
Step 5: Patterns with 2-D and 3-D shapes	Can you explore patterns with 2-D and 3-D shapes?	
Consolidation		
Number: Place Value (within 20)		
Step 1: Count within 20	Can you count within 20?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number

		<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 2: Understand 10	Can you explore and understand the number 10?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s
Step 3: Understand 11, 12 and 13	Can you explore and understand the numbers 11, 12 and 13?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Read and write numbers from 1 to 20 in numerals and words
Step 4: Understand 14, 15 and 16	Can you explore and understand the numbers 14, 15 and 16?	
Step 5: Understand 17, 18 and 19	Can you explore and understand the numbers 17, 18 and 19?	
Step 6: Understand 20	Can you explore and understand the number 20?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s
Step 7: 1 more and 1 less	Can you find 1 more and 1 less than any number within 20?	<ul style="list-style-type: none"> Given a number, identify 1 more and 1 less
Step 8: The number line to 20	Can you identify numbers on a number line to 20?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 9: Use a number line to 20	Can you use a number line to 20?	
Step 10: Estimate on a number line to 20	Can you use a number line to estimate to 20?	
Step 11: Compare numbers to 20	Can you compare numbers to 20?	
Step 12: Order numbers to 20	Can you order numbers to 20?	
Number: Addition and Subtraction (within 20)		
Step 1: Add by counting on within 20	Can you add by counting on within 20?	<ul style="list-style-type: none"> Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 2: Add ones using number bonds	Can you add ones using number bonds?	<ul style="list-style-type: none"> Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero

Step 3: Find and make number bonds to 20	Can you find and make number bonds to 20?	<ul style="list-style-type: none"> Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Represent and use number bonds and related subtraction facts within 20
Step 4: Doubles	Can you explore doubling by adding two equal quantities?	<ul style="list-style-type: none"> Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 5: Near doubles	Can you use doubles to work out near doubles?	<ul style="list-style-type: none"> Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 6: Subtract ones using number bonds	Can you subtract ones using a number line?	<ul style="list-style-type: none"> Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 7: Subtraction - counting back	Can you count back to subtract?	<ul style="list-style-type: none"> Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 8: Subtraction - finding the difference	Can you subtract by finding the difference?	
Step 9: Related facts	Can you explore addition and subtraction related facts to 20?	<ul style="list-style-type: none"> Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero
Step 10: Missing number problems	Can you solve on-step missing number problems?	<ul style="list-style-type: none"> Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$

Number: Place Value (within 50)

Step 1: Count from 20 to 50	Can you count forwards and backwards between 20 and 50?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 2: 20, 30, 40 and 50	Can you explore multiples of 10 up to 50?	
Step 3: Count by making groups of tens	Can you count objects by grouping into tens and ones?	
Step 4: Groups of tens and ones	Can you identify groups of tens and ones?	
Step 5: Partition into tens and ones	Can you partition numbers to 50?	
Step 6: The number line to 50	Can you use a number line to 50?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Given a number, identify 1 more and 1 less

Step 7: Estimate on a number to 50	Can you estimate on a number line to 50?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 8: 1 more, 1 less	Can you find 1 more or 1 less than numbers between 0 and 50?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Given a number, identify 1 more and 1 less
Measurement: Length and Height		
Step 1: Compare lengths and heights	Can you compare lengths and heights?	<ul style="list-style-type: none"> Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time
Step 2: Measure length using objects	Can you measure length using objects?	<ul style="list-style-type: none"> Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; time
Step 3: Measure length in centimetres	Can you measure length in centimetres?	
Measurement: Mass and Volume		
Step 1: Heavier and lighter	Can you compare heavier and lighter objects?	<ul style="list-style-type: none"> Compare, describe and solve practical problems for: lengths and heights; mass/weight; capacity and volume; time Measure and begin to record the following: lengths and heights; mass/weights; capacity and volume; time
Step 2: Measure mass	Can you measure the mass of an object?	
Step 3: Compare mass	Can you compare the masses of two objects?	
Step 4: Full and empty	Can you identify full and empty objects?	
Step 5: Compare volume	Can you compare volume using more than and less than?	
Step 6: Measure capacity	Can you measure capacity of different containers?	
Step 7: Compare capacity	Can you compare capacity of different containers?	
Number: Multiplication and division		
Step 1: Count in 2s	Can you count forwards and backwards in 2s?	<ul style="list-style-type: none"> Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s
Step 2: Counts in 10s	Can you count forwards and backwards in 10s?	
Step 3: Count in 5s	Can you count forwards and backwards in 5s?	
Step 4: Recognise equal groups	Can you recognise equal groups using resources?	<ul style="list-style-type: none"> Solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher
Step 5: Add equal groups	Can you add equal groups?	
Step 6: Make arrays	Can you make arrays to add equal groups?	
Step 7: Make doubles	Can you add equal groups by doubling?	
Step 8: Make equal groups - grouping	Can you make equal groups by grouping?	
Step 9: Make equal groups - sharing	Can you make equal groups by sharing?	

Number: Fractions		
Step 1: Recognise a half of an object or a shape	Can you recognise a half of an object or a shape?	<ul style="list-style-type: none"> Recognise, find and name a half as one of two equal parts of an object, shape or quantity
Step 2: Find half of an object or a shape	Can you find half of an object or a shape?	
Step 3: Recognise a half of a quantity	Can you recognise half of a quantity?	
Step 4: Find half of a quantity	Can you find half of a quantity?	
Step 5: Recognise a quarter of an object or a shape	Can you recognise a quarter of an object or a shape?	
Step 6: Find a quarter of an object or a shape	Can you find a quarter of an object or a shape?	
Step 7: Recognise a quarter of a quantity	Can you recognise a quarter of a quantity?	
Step 8: Find a quarter or a quantity	Can you find a quarter or a quantity?	
Geometry: Position and Direction		
Step 1: Describe turns	Can you use full, half and quarter to describe a turn?	<ul style="list-style-type: none"> Describe position, direction and movement, including whole, half, quarter and three-quarter turns
Step 2: Describe position - left and right	Can you use left and right to describe a turn?	<ul style="list-style-type: none"> Describe position, direction and movement, including whole, half, quarter and three-quarter turns Use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside (non-statutory guidance)
Step 3: Describe position - forwards and backwards	Can you use forwards and backwards to describe a turn?	
Step 4: Describe position - above and below	Can you use above and below to describe a turn?	<ul style="list-style-type: none"> Practise counting (1, 2, 3...), ordering (for example, 1st, 2nd, 3rd ...) (non-statutory guidance)
Step 5: Ordinal numbers	Can you use ordinal numbers correctly?	
Number: Place Value (within 100)		
Step 1: Count from 50 to 100	Can you count from 50 to 100?	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number
Step 2: Tens to 100	Can you recognise tens to 100?	
Step 3: Partition into tens and ones	Can you partition into tens and ones?	
Step 4: The number line to 100	Can you use a number line to 100?	

		<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 5: 1 more, 1 less	Can you find 1 more or 1 less to 100?	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Step 6: Compare numbers with the same number of tens	Can you compare numbers with the same number of tens?	
Step 7: Compare any two numbers	Can you compare any two numbers to 100?	
Measurement: Money		
Step 1: Unitising	Can you represent a value by unitising?	<ul style="list-style-type: none"> Recognise and know the value of different denominations of coins and notes
Step 2: Recognise coins	Can you explore and recognise different coins?	
Step 3: Recognise notes	Can you explore and recognise different notes?	
Step 4: Count in coins	Can you count in coins?	<ul style="list-style-type: none"> Recognise and know the value of different denominations of coins and notes Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s
Measurement: Time		
Step 1: Before and after	Can you use before and after when telling the time?	<ul style="list-style-type: none"> Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening)
Step 2: Days of the week	Can you name the days of the week?	
Step 3: Months of the year	Can you name the months of the year?	<ul style="list-style-type: none"> Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening) Recognise and use language relating to dates, including days of the week, weeks, months and years
Step 4: Hours, minutes and seconds	Can you compare hours, minutes and seconds?	<ul style="list-style-type: none"> Compare, describe and solve practical problems for time Measure and begin to record time (hours, minutes, seconds)
Step 5: Tell the time to the hour	Can you tell the time to the hour?	<ul style="list-style-type: none"> Tell the time to the hour and half past the hour and draw the hands on a clockface to show these times
Step 6: Tell the time to the half hour	Can you tell the time to the half hour?	
Consolidation		