

# Bassingbourn Community Primary School Maths Curriculum Long Term Overview



**Bassingbourn**

Community Primary School

# Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Autumn term	<p>Number</p> <hr/> <p><b>Place value</b></p> <p>(within 10)</p> <p><a href="#">VIEW</a></p> <p><i>Free trial</i></p>					<p>Number</p> <hr/> <p><b>Addition and subtraction</b></p> <p>(within 10)</p> <p><a href="#">VIEW</a></p>					<p>Geometry</p> <hr/> <p><b>Shape</b></p> <p><a href="#">VIEW</a></p>		<p>Consolidation</p>	
Spring term	<p>Number</p> <hr/> <p><b>Place value</b></p> <p>(within 20)</p> <p><a href="#">VIEW</a></p>	<p>Number</p> <hr/> <p><b>Addition and subtraction</b></p> <p>(within 20)</p> <p><a href="#">VIEW</a></p>			<p>Number</p> <hr/> <p><b>Place value</b></p> <p>(within 50)</p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <hr/> <p><b>Length and height</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <hr/> <p><b>Mass and volume</b></p> <p><a href="#">VIEW</a></p>							
Summer term	<p>Number</p> <hr/> <p><b>Multiplication and division</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <hr/> <p><b>Fractions</b></p> <p><a href="#">VIEW</a></p>		<p>Geometry</p> <hr/> <p><b>Position and direction</b></p> <p><a href="#">VIEW</a></p>	<p>Number</p> <hr/> <p><b>Place value</b></p> <p>(within 100)</p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <hr/> <p><b>Money</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <hr/> <p><b>Time</b></p> <p><a href="#">VIEW</a></p>			<p>Consolidation</p>			

Year 1 White Rose Maths Small Steps- Autumn		
Number - Place Value (within 10) (5 weeks)	Number - Addition and subtraction (within 10) (5 weeks)	Geometry - Shape. (1 week)
Step 1 Sort objects Step 2 Count objects Step 3 Count objects from a larger group Step 4 Represent objects Step 5 Recognise numbers as words Step 6 Count on from any number Step 7 1 more Step 8 Count backwards within 10 Step 9 1 less Step 10 Compare groups by matching Step 11 Fewer, more, same Step 12 Less than, greater than, equal to Step 13 Compare numbers Step 14 Order objects and numbers Step 15 The number line	Step 1 Introduce parts and wholes Step 2 Part-whole model Step 3 Write number sentences Step 4 Fact families – addition facts Step 5 Number bonds within 10 Step 6 Systematic number bonds within 10 Step 6 7 Number bonds to 10 Step 8 Addition – add together Step 9 Addition – add more Step 9 10 Addition problems Step 11 Find a part Step 12 Subtraction – find a part Step 12 13 Fact families – the eight facts Step 14 Subtraction – take away/cross out (How many left?) Step 15 Take away (How many left?) Step 16 Subtraction on a number line Step 17 Add or subtract 1 or 2	Step 1 Recognise and name 3-D shapes Step 1 2 Sort 3-D shapes Step 3 Recognise and name 2-D shapes Step 3 4 Sort 2-D shapes Step 5 Patterns with 2-D and 3-D shapes Step 5

Year 1 White Rose Maths Small Steps - <b>Spring</b>				
Number - Place Value (within 20) (3weeks)	Number - Addition and subtraction (within 20) (2 weeks)	Number - Place Value (within 50) (2weeks)	Measure - Length and height (2weeks)	Measure - Mass and Volume (2weeks)
Step 1 Count within 20 Step 2 Understand 10 Step 3 Understand 11, 12 and 13 Step 4 Understand 14, 15 and 16 Step 5 Understand 17, 18 and 19 Step 6 Understand 20 Step 7 1 more and 1 less Step 8 The number line to 20 Step 9 Use a number line to 20 Step 10 Estimate on a number line to 20 Step 11 Compare numbers to 20 Step 12 Order numbers to 20	Step 1 Add by counting on within 20 Step 2 Add ones using number bonds Step 3 Find and make number bonds to 20 Step 4 Doubles Step 5 Near doubles Step 6 Subtract ones using number bonds Step 7 Subtraction – counting back Step 8 Subtraction – finding the difference Step 9 Related facts Step 10 Missing number problems	Step 1 Count from 20 to 50 Step 2 20, 30, 40 and 50 Step 3 Count by making groups of tens Step 4 Groups of tens and ones Step 5 Partition into tens and ones Step 6 The number line to 50 Step 7 Estimate on a number line to 50 Step 8 1 more, 1 less	Step 1 Compare lengths and heights Step 2 Measure length using objects Step 3 Measure length in centimetres	Step 1 Heavier and lighter Step 2 Measure mass Step 3 Compare mass Step 4 Full and empty Step 5 Compare volume Step 6 Measure capacity Step 7 Compare capacity

Year 1 White Rose Maths Small Steps - <b>Summer</b>					
Number – Multiplication and Division (3 weeks)	Number - Fractions(2 weeks)	Geometry – Position and Direction (1 week)	Number – Place Value (within 100) (2 weeks)	Measure – Money(1 week)	Measure – Time(2 weeks)
Step 1 Count in 2s Step 2 Count in 10s Step 3 Count in 5s Step 4 Recognise equal groups Step 5 Add equal groups Step 6 Make arrays Step 7 Make doubles Step 8 Make equal groups – grouping Step 9 Make equal groups – sharing	Step 1 Recognise a half of an object or a shape Step 2 Find a half of an object or a shape Step 3 Recognise a half of a quantity Step 4 Find a half of a quantity Step 5 Recognise a quarter of an object or a shape Step 6 Find a quarter of an object or a shape Step 7 Recognise a quarter of a quantity Step 8 Find a quarter of a quantity	Step 1 Describe turns Step 2 Describe position – left and right Step 3 Describe position – forwards and backwards Step 4 Describe position – above and below Step 5 Ordinal numbers	Step 1 Count from 50 to 100 Step 2 Tens to 100 Step 3 Partition into tens and ones Step 4 The number line to 100 Step 5 1 more, 1 less Step 6 Compare numbers with the same number of tens Step 7 Compare any two numbers	Step 1 Unitising Step 2 Recognise coins Step 3 Recognise notes Step 4 Count in coins	Step 1 Before and after Step 2 Days of the week Step 3 Months of the year Step 4 Hours, minutes and seconds Step 5 Tell the time to the hour Step 6 Tell the time to the half hour

# Year 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
Autumn term	<p>Number</p> <hr/> <b>Place value</b>				<p>Number</p> <hr/> <b>Addition and subtraction</b>				<p>Geometry</p> <hr/> <b>Shape</b>			
	<a href="#">VIEW</a>				<a href="#">VIEW</a>				<a href="#">VIEW</a>			
Spring term	<p>Measurement</p> <hr/> <b>Money</b>	<p>Number</p> <hr/> <b>Multiplication and division</b>				<p>Measurement</p> <hr/> <b>Length and height</b>	<p>Measurement</p> <hr/> <b>Mass, capacity and temperature</b>					
	<a href="#">VIEW</a>	<a href="#">VIEW</a>				<a href="#">VIEW</a>	<a href="#">VIEW</a>					
Summer term	<p>Number</p> <hr/> <b>Fractions</b>	<p>Measurement</p> <hr/> <b>Time</b>			<b>Statistics</b>		<p>Geometry</p> <hr/> <b>Position and direction</b>		<b>Consolidation</b>			
	<a href="#">VIEW</a>	<a href="#">VIEW</a>			<a href="#">VIEW</a>		<a href="#">VIEW</a>		<a href="#">VIEW</a>			

Year 2 White Rose Maths small steps - Autumn		
Number - Place Value (4 weeks)	Number - Addition and Subtraction (5 weeks)	Geometry - Shape. (3 weeks)
<p>Step 1 Numbers to 20</p> <p>Step 2 Count objects to 100 by making 10s</p> <p>Step 3 Recognise tens and ones</p> <p>Step 4 Use a place value chart Step 5 Partition numbers to 100</p> <p>Step 6 Write numbers to 100 in words Step 7 Flexibly partition numbers to 100 Step 8 Write numbers to 100 in expanded form</p> <p>Step 9 10s on the number line to 100</p> <p>Step 10 10s and 1s on the number line to 100</p> <p>Step 11 Estimate numbers on a number line</p> <p>Step 12 Compare objects</p> <p>Step 13 Compare numbers</p> <p>Step 14 Order objects and numbers</p> <p>Step 15 Count in 2s, 5s and 10s Step 16 Count in 3s</p>	<p>Step 1 Bonds to 10</p> <p>Step 2 Fact families - addition and subtraction bonds within 20</p> <p>Step 3 Related facts</p> <p>Step 4 Bonds to 100 (tens) Step 5 Add and subtract 1s Step 6 Add by making 10</p> <p>Step 7 Add three 1-digit numbers</p> <p>Step 8 Add to the next 10</p> <p>Step 9 Add across a 10</p> <p>Step 10 Subtract across 10</p> <p>Step 11 Subtract from a 10</p> <p>Step 12 Subtract a 1-digit number from a 2-digit number (across a 10)</p> <p>Step 13 10 more, 10 less</p> <p>Step 14 Add and subtract 10s</p> <p>Step 15 Add two 2-digit numbers (not across a 10)</p> <p>Step 16 Add two 2-digit numbers (across a 10) Small steps</p> <p>Step 17 Subtract two 2-digit numbers (not across a 10)</p> <p>Step 18 Subtract two 2-digit numbers (across a 10)</p> <p>Step 19 Mixed addition and subtraction</p> <p>Step 20 Compare number sentences</p> <p>Step 21 Missing number problems</p>	<p>Step 1 Recognise 2-D and 3-D shapes</p> <p>Step 2 Count sides on 2-D shapes Step 3 Count vertices on 2-D shapes Step 4 Draw 2-D shapes</p> <p>Step 5 Lines of symmetry on shapes</p> <p>Step 6 Use lines of symmetry to complete shapes</p> <p>Step 7 Sort 2-D shapes</p> <p>Step 8 Count faces on 3-D shapes Step 9 Count edges on 3-D shapes Step 10 Count vertices on 3-D shapes Step 11 Sort 3-D shapes</p> <p>Step 12 Make patterns with 2-D and 3-D shapes</p>

**Year 2 White Rose Maths Small Steps - Spring**

Measure – Money(2 week)	Number – Multiplication and Division (5 weeks)	Measure - Length and height (2 weeks)	Measure - Mass and Volume (2 weeks)
<p>Step 1 Count money – pence                      Step 2 Count money – pounds (notes and coins)                      Step 3 Count money – pounds and pence                      Step 4 Choose notes and coins                      Step 5 Make the same amount                      Step 6 Compare amounts of money                      Step 7 Calculate with money                      Step 8 Make a pound                      Step 9 Find change                      Step 10 Two-step problems</p>	<p>Step 1 Recognise equal groups                      Step 2 Make equal groups Step 3 Add equal groups                      Step 4 Introduce the multiplication symbol                      Step 5 Multiplication sentences                      Step 6 Use arrays                      Step 7 Make equal groups – grouping                      Step 8 Make equal groups – sharing                      Step 9 The 2 times-table                      Step 10 Divide by 2                      Step 11 Doubling and halving                      Step 12 Odd and even numbers                      Step 13 The 10 times-table                      Step 14 Divide by 10                      Step 15 The 5 times-table                      Step 16 Divide by 5                      Step 17 The 5 and 10 times-tables</p>	<p>Step 1 Measure in centimetres                      Step 2 Measure in metres Step 3 Compare lengths and heights                      Step 4 Order lengths and heights                      Step 5 Four operations with lengths and heights</p>	<p>Step 1 Compare mass Step 2 Measure in grams                      Step 3 Measure in kilograms Step 4 Four operations with mass                      Step 5 Compare volume and capacity                      Step 6 Measure in millilitres                      Step 7 Measure in litres Step 8 Four operations with volume and capacity                      Step 9 Temperature</p>



Year 2 White Rose Maths Small Steps - <b>Summer</b>			
Number - Fractions (2 weeks)	Measure – Time(2 weeks)	Statistics (1 week)	Geometry – Position and Direction (1 week)
Step 1 Introduction to parts and whole Step 2 Equal and unequal parts Step 3 Recognise a half Step 4 Find a half Step 5 Recognise a quarter Step 6 Find a quarter Step 7 Recognise a third Step 8 Find a third Step 9 Find the whole Step 10 Unit fractions Step 11 Non-unit fractions Step 12 Recognise the equivalence of a half and two-quarters Step 13 Recognise three-quarters Step 14 Find three-quarters Step 15 Count in fractions up to a whole	Step 1 O'clock and half past Step 2 Quarter past and quarter to Step 3 Tell the time past the hour Step 4 Tell the time to the hour Step 5 Tell the time to 5 minutes Step 6 Minutes in an hour Step 7 Hours in a day	Step 1 Make tally charts Step 2 Tables Step 3 Block diagrams Step 4 Draw pictograms (1–1) Step 5 Interpret pictograms (1–1) Step 6 Draw pictograms (2, 5 and 10) Step 7 Interpret pictograms (2, 5 and 10)	Step 1 Language of position Step 2 Describe movement Step 3 Describe turns Step 4 Describe movement and turns Step 5 Shape patterns with turns

# Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<p>Number</p> <p><b>Place value</b></p> <p><a href="#">VIEW</a></p> <p><i>Free trial</i></p>			<p>Number</p> <p><b>Addition and subtraction</b></p> <p><a href="#">VIEW</a></p>				<p>Number</p> <p><b>Multiplication and division A</b></p> <p><a href="#">VIEW</a></p>				
Spring term	<p>Number</p> <p><b>Multiplication and division B</b></p> <p><a href="#">VIEW</a></p>			<p>Measurement</p> <p><b>Length and perimeter</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <p><b>Fractions A</b></p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <p><b>Mass and capacity</b></p> <p><a href="#">VIEW</a></p>				
Summer term	<p>Number</p> <p><b>Fractions B</b></p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <p><b>Money</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <p><b>Time</b></p> <p><a href="#">VIEW</a></p>			<p>Geometry</p> <p><b>Shape</b></p> <p><a href="#">VIEW</a></p>	<p><b>Statistics</b></p> <p><a href="#">VIEW</a></p>		<p><b>Consolidation</b></p>		

Year 3 White Rose Maths Small Steps- Autumn		
Number - Place Value (3 weeks)	Number - Addition and subtraction (5 weeks)	Number – Multiplication and Division A (4 weeks)
Step 1 Represent numbers to 100 Step 2 Partition numbers to 100 Step 3 Number line to 100 Step 4 Hundreds Step 5 Represent numbers to 1,000 Step 6 Partition numbers to 1,000 Step 7 Flexible partitioning of numbers to 1,000 Step 8 Hundreds, tens and ones Step 9 Find 1, 10 or 100 more or less Step 10 Number line to 1,000 Step 11 Estimate on a number line to 1,000 Step 12 Compare numbers to 1,000 Step 13 Order numbers to 1,000 Step 14 Count in 50s	Step 1 Apply number bonds within 10 Step 2 Add and subtract 1s Step 3 Add and subtract 10s Step 4 Add and subtract 100s Step 5 Spot the pattern Step 6 Add 1s across a 10 Step 7 Add 10s across a 100 Step 8 Subtract 1s across a 10 Step 9 Subtract 10s across a 100 Step 10 Make connections Step 11 Add two numbers (no exchange) Step 12 Subtract two numbers (no exchange) Step 13 Add two numbers (across a 10) Step 14 Add two numbers (across a 100) Step 15 Subtract two numbers (across a 10) Step 16 Subtract two numbers (across a 100) Step 17 Add 2-digit and 3-digit numbers Step 18 Subtract a 2-digit number from a 3-digit number Step 19 Complements to 100 Step 20 Estimate answers Step 21 Inverse operations Step 22 Make decisions	Step 1 Multiplication – equal groups Step 2 Use arrays Step 3 Multiples of 2 Step 4 Multiples of 5 and 10 Step 5 Sharing and grouping Step 6 Multiply by 3 Step 7 Divide by 3 Step 8 The 3 times-table Step 9 Multiply by 4 Step 10 Divide by 4 Step 11 The 4 times-table Step 12 Multiply by 8 Step 13 Divide by 8 Step 14 The 8 times-table Step 15 The 2, 4 and 8 times-tables

**Year 3 White Rose Maths Small Steps - Spring**

Number – Multiplication and Division B (3 weeks)	Measure - Length and height (3 weeks)	Number – Fractions A (3 weeks)	Measure - Mass and Capacity (3 weeks)
<p>Step 1 Multiples of 10 Step 2 Related calculations Step 3 Reasoning about multiplication Step 4 Multiply a 2-digit number by a 1-digit number – no exchange Step 5 Multiply a 2-digit number by a 1-digit number – with exchange Step 6 Link multiplication and division Step 7 Divide a 2-digit number by a 1-digit number – no exchange Step 8 Divide a 2-digit number by a 1-digit number – flexible partitioning Step 9 Divide a 2-digit number by a 1-digit number – with remainders Step 10 Scaling Step 11 How many ways?</p>	<p>Step 1 Measure in metres and centimetres Step 2 Measure in millimetres Step 3 Measure in centimetres and millimetres Step 4 Metres, centimetres and millimetres Step 5 Equivalent lengths (metres and centimetres) Step 6 Equivalent lengths (centimetres and millimetres) Step 7 Compare lengths Step 8 Add lengths Step 9 Subtract lengths Step 10 What is perimeter? Step 11 Measure perimeter Step 12 Calculate perimeter</p>	<p>Step 1 Understand the denominators of unit fractions Step 2 Compare and order unit fractions Step 3 Understand the numerators of non-unit fractions Step 4 Understand the whole Step 5 Compare and order non-unit fractions Step 6 Fractions and scales Step 7 Fractions on a numberline Step 8 Count in fractions on a number line Step 9 Equivalent fractions on a number line Step 10 Equivalent fractions as bar models</p>	<p>Step 1 Use scales Step 2 Measure mass in grams Step 3 Measure mass in kilograms and grams Step 4 Equivalent masses (kilograms and grams) Step 5 Compare mass Step 6 Add and subtract mass Step 7 Measure capacity and volume in millilitres Step 8 Measure capacity and volume in litres and millilitres Step 9 Equivalent capacities and volumes (litres and millilitres) Step 10 Compare capacity and volume Step 11 Add and subtract capacity and volume</p>

Year 3 White Rose Maths Small Steps - Summer				
Number – Fractions B (2 weeks)	Measure – Money(2 week)	Measure – Time(3 weeks)	Geometry - Shape. (2 weeks)	Statistics (1 week)
Step 1 Add fractions Step 2 Subtract fractions Step 3 Partition the whole Step 4 Unit fractions of a set of objects Step 5 Non-unit fractions of a set of objects Step 6 Reasoning with fractions of an amount	Step 1 Pounds and pence Step 2 Convert pounds and pence Step 3 Add money Step 4 Subtract money Step 5 Find change	Step 1 Roman numerals to 12 Step 2 Tell the time to 5 minutes Step 3 Tell the time to the minute Step 4 Read time on a digital clock Step 5 Use am and pm Step 6 Years, months and days Step 7 Days and hours Step 8 Hours and minutes – use start and end times Step 9 Hours and minutes - use durations Step 10 Minutes and seconds Step 11 Units of time Step 12 Solve problems with time	Step 1 Turns and angles Step 2 Right angles Step 3 Compare angles Step 4 Measure and draw accurately Step 5 Horizontal and vertical Step 6 Parallel and perpendicular Step 7 Recognise and describe 2-D shapes Step 8 Draw polygons Step 9 Recognise and describe 3-D shapes Step 10 Make 3-D shapes	Step 1 Interpret pictograms Step 2 Draw pictograms Step 3 Interpret bar charts Step 4 Draw bar charts Step 5 Collect and represent data Step 6 Two-way tables

# Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<p>Number</p> <p><b>Place value</b></p> <p>VIEW</p> <p><i>Free trial</i></p>				<p>Number</p> <p><b>Addition and subtraction</b></p> <p>VIEW</p>			<p>Measurement</p> <p><b>Area</b></p> <p>VIEW</p>	<p>Number</p> <p><b>Multiplication and division A</b></p> <p>VIEW</p>			<p>Consolidation</p>
Spring term	<p>Number</p> <p><b>Multiplication and division B</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Length and perimeter</b></p> <p>VIEW</p>		<p>Number</p> <p><b>Fractions</b></p> <p>VIEW</p>			<p>Number</p> <p><b>Decimals A</b></p> <p>VIEW</p>				
Summer term	<p>Number</p> <p><b>Decimals B</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Money</b></p> <p>VIEW</p>		<p>Measurement</p> <p><b>Time</b></p> <p>VIEW</p>		<p>Consolidation</p>	<p>Geometry</p> <p><b>Shape</b></p> <p>VIEW</p>		<p>Statistics</p> <p>VIEW</p>	<p>Geometry</p> <p><b>Position and direction</b></p> <p>VIEW</p>	

Year 4 White Rose Maths small steps - Autumn			
Number - Place Value (3 weeks)	Number - Addition and subtraction (3 weeks)	Measurement – Area (1 week)	Number – Multiplication and Division A (3 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 Step 14 Round to the nearest 10 Step 15 Round to the nearest 100 Step 16 Round to the nearest 1,000 Step 17 Round to the nearest 10, 100 or 1,000	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 Step 8 Efficient subtraction Step 9 Estimate answers Step 10 Checking strategies	Step 1 What is area? Step 2 Count squares Step 3 Make shapes Step 4 Compare areas	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 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

Year 4 White Rose Maths Small Steps - Spring			
Number – Multiplication and Division B (3 weeks)	Measure - Length and Perimeter (2 weeks)	Number – Fractions (4 weeks)	Number – Decimals A (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) Step 13 Divide a 3-digit number by a 1-digit number Step 14 Correspondence problems Step 15 Efficient multiplication	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 perimeter of rectilinear shapes Step 8 Perimeter of regular polygons Step 9 Perimeter of polygons	Step 1 Understand the whole Step 2 Count beyond 1 Step 3 Partition a mixed number Step 4 Number lines with mixed numbers 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	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 Divide 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 on a place value chart Step 10 Divide a 1- or 2-digit number by 100



Year 4 White Rose Maths Small Steps - <b>Summer</b>					
Number – Decimals B(2 weeks)	Measure – Money(2 week)	Measure – Time(2 weeks)	Geometry - Shape. (2 weeks)	Statistics (1week)	Geometry – Position andDirection (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	Step 1 Write money using decimals Step 2 Convert between pounds and pence Step 3 Compare amounts of money Step 4 Estimate with money Step 5 Calculate with money Step 6 Solve problems with money	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	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	Step 1 Interpret charts Step 2 Comparison, sum and difference Step 3 Interpret line graphs Step 4 Draw line graphs	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

# Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<p>Number</p> <hr/> <p><b>Place value</b></p> <p><a href="#">VIEW</a></p> <p><i>Free trial</i></p>			<p>Number</p> <hr/> <p><b>Addition and subtraction</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <hr/> <p><b>Multiplication and division A</b></p> <p><a href="#">VIEW</a></p>			<p>Number</p> <hr/> <p><b>Fractions A</b></p> <p><a href="#">VIEW</a></p>			
Spring term	<p>Number</p> <hr/> <p><b>Multiplication and division B</b></p> <p><a href="#">VIEW</a></p>			<p>Number</p> <hr/> <p><b>Fractions B</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <hr/> <p><b>Decimals and percentages</b></p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <hr/> <p><b>Perimeter and area</b></p> <p><a href="#">VIEW</a></p>		<p><b>Statistics</b></p> <p><a href="#">VIEW</a></p>		
Summer term	<p>Geometry</p> <hr/> <p><b>Shape</b></p> <p><a href="#">VIEW</a></p>			<p>Geometry</p> <hr/> <p><b>Position and direction</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <hr/> <p><b>Decimals</b></p> <p><a href="#">VIEW</a></p>		<p>Number</p> <hr/> <p><b>Negative num...</b></p> <p><a href="#">VIEW</a></p>	<p>Measurement</p> <hr/> <p><b>Converting units</b></p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <hr/> <p><b>Volume</b></p> <p><a href="#">VIEW</a></p>	

**Year 5 White Rose Maths small steps - Autumn**

Number - Place Value (3 weeks)	Number - Addition and subtraction (2 weeks)	Number – Multiplication and Division A (3 weeks)	Number – Fractions A (4 weeks)
<p>Step 1 Roman numerals to 1,000                      Step 2 Numbers to 10,000                      Step 3 Numbers to 100,000                      Step 4 Numbers to 1,000,000                      Step 5 Read and write numbers to 1,000,000                      Step 6 Powers of 10                      Step 7 10/100/1,000/10,000/100,000 more or less                      Step 8 Partition numbers to 1,000,000                      Step 9 Number line to 1,000,000                      Step 10 Compare and order numbers to 100,000                      Step 11 Compare and order numbers to 1,000,000                      Step 12 Round to the nearest 10, 100 or 1,000                      Step 13 Round within 100,000                      Step 14 Round within 1,000,000</p>	<p>Step 1 Mental strategies                      Step 2 Add whole numbers with more than four digits                      Step 3 Subtract whole numbers with more than four digits                      Step 4 Round to check answers                      Step 5 Inverse operations (addition and subtraction)                      Step 6 Multi-step addition and subtraction problems                      Step 7 Compare calculations                      Step 8 Find missing numbers</p>	<p>Step 1 Multiples                      Step 2 Common multiples                      Step 3 Factors                      Step 4 Common factors                      Step 5 Prime numbers                      Step 6 Square numbers                      Step 7 Cube numbers                      Step 8 Multiply by 10, 100 and 1,000                      Step 9 Divide by 10, 100 and 1,000                      Step 10 Multiples of 10, 100 and 1,000</p>	<p>Step 1 Find fractions equivalent to a unit fraction                      Step 2 Find fractions equivalent to a non-unit fraction                      Step 3 Recognise equivalent fractions                      Step 4 Convert improper fractions to mixed numbers                      Step 5 Convert mixed numbers to improper fractions                      Step 6 Compare fractions less than 1                      Step 7 Order fractions less than 1                      Step 8 Compare and order fractions greater than 1                      Step 9 Add and subtract fractions with the same denominator                      Step 10 Add fractions within 1                      Step 11 Add fractions with total greater than 1                      Step 12 Add to a mixed number                      Step 13 Add two mixed numbers                      Step 14 Subtract fractions                      Step 15 Subtract from a mixed number                      Step 16 Subtract from a mixed number – breaking the whole                      Step 17 Subtract two mixed numbers</p>

Year 5 White Rose Maths Small Steps - Spring				
Number – Multiplication and Division B (3 weeks)	Number – Fractions B (4 weeks)	Number – Decimals and Percentages (3 weeks)	Measure – Perimeter and Area (2 weeks)	Statistics (2 weeks)
<p>Step 1 Multiply up to a 4-digit number by a 1-digit number</p> <p>Step 2 Multiply a 2-digit number by a 2-digit number (area model)</p> <p>Step 3 Multiply a 2-digit number by a 2-digit number</p> <p>Step 4 Multiply a 3-digit number by a 2-digit number</p> <p>Step 5 Multiply a 4-digit number by a 2-digit number</p> <p>Step 6 Solve problems with multiplication</p> <p>Step 7 Short division</p> <p>Step 8 Divide a 4-digit number by a 1-digit number</p> <p>Step 9 Divide with remainders</p> <p>Step 10 Efficient division</p> <p>Step 11 Solve problems with multiplication and division</p>	<p>Step 1 Multiply a unit fraction by an integer</p> <p>Step 2 Multiply a non-unit fraction by an integer</p> <p>Step 3 Multiply a mixed number by an integer</p> <p>Step 4 Calculate a fraction of a quantity</p> <p>Step 5 Fraction of an amount</p> <p>Step 6 Find the whole</p> <p>Step 7 Use fractions as operators</p>	<p>Step 1 Decimals up to 2 decimal places</p> <p>Step 2 Equivalent fractions and decimals (tenths)</p> <p>Step 3 Equivalent fractions and decimals (hundredths)</p> <p>Step 4 Equivalent fractions and decimals</p> <p>Step 5 Thousandths as fractions</p> <p>Step 6 Thousandths as decimals</p> <p>Step 7 Thousandths on a place value chart</p> <p>Step 8 Order and compare decimals (same number of decimal places)</p> <p>Step 9 Order and compare any decimals with up to 3 decimal places</p> <p>Step 10 Round to the nearest whole number</p> <p>Step 11 Round to 1 decimal place</p> <p>Step 12 Understand percentages</p> <p>Step 13 Percentages as fractions</p> <p>Step 14 Percentages as decimals</p> <p>Step 15 Equivalent fractions, decimals and percentages</p>	<p>Step 1 Perimeter of rectangles</p> <p>Step 2 Perimeter of rectilinear shapes</p> <p>Step 3 Perimeter of polygons</p> <p>Step 4 Area of rectangles</p> <p>Step 5 Area of compound shapes</p> <p>Step 6 Estimate area</p>	<p>Step 1 Draw line graphs</p> <p>Step 2 Read and interpret line graphs</p> <p>Step 3 Read and interpret tables</p> <p>Step 4 Two-way tables</p> <p>Step 5 Read and interpret timetables</p>

**Year 5 White Rose Maths Small Steps - Summer**

Geometry - Shape.(3 weeks)	Geometry – Position and Direction (2 weeks)	Number – Decimals (3 weeks)	Number – Negative Numbers (1 week)	Measure – Converting Units (2 weeks)	Measurement - Volume (1week)
<p>Step 1 Understand and use degrees                      Step 2 Classify angles                      Step 3 Estimate angles                      Step 4 Measure angles up to 180°                      Step 5 Draw lines and angles accurately                      Step 6 Calculate angles around a point                      Step 7 Calculate angles on a straight line                      Step 8 Lengths and angles in shapes                      Step 9 Regular and irregular polygons                      Step 10 3-D shapes</p>	<p>Step 1 Read and plot coordinates                      Step 2 Problem solving with coordinates                      Step 3 Translation                      Step 4 Translation with coordinates                      Step 5 Lines of symmetry                      Step 6 Reflection in horizontal and vertical lines</p>	<p>Step 1 Use known facts to add and subtract decimals within 1                      Step 2 Complements to 1                      Step 3 Add and subtract decimals across 1                      Step 4 Add decimals with the same number of decimal places                      Step 5 Subtract decimals with the same number of decimal places                      Step 6 Add decimals with different numbers of decimal places                      Step 7 Subtract decimals with different numbers of decimal places                      Step 8 Efficient strategies for adding and subtracting decimals                      Step 9 Decimal sequences                      Step 10 Multiply by 10, 100 and 1,000                      Step 11 Divide by 10, 100 and 1,000                      Step 12 Multiply and divide decimals – missing values</p>	<p>Step 1 Understand negative numbers                      Step 2 Count through zero in 1s                      Step 3 Count through zero in multiples                      Step 4 Compare and order negative numbers                      Step 5 Find the difference</p>	<p>Step 1 Kilograms and kilometres                      Step 2 Millimetres and millilitres                      Step 3 Convert units of length                      Step 4 Convert between metric and imperial units                      Step 5 Convert units of time                      Step 6 Calculate with timetables</p>	<p>Step 1 Cubic centimetres                      Step 2 Compare volume                      Step 3 Estimate volume                      Step 4 Estimate capacity</p>

# Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<p>Number</p> <p>Place value</p> <p><a href="#">VIEW</a></p>	<p>Free trial</p>	<p>Number</p> <p>Addition, subtraction, multiplication and division</p> <p><a href="#">VIEW</a></p>				<p>Number</p> <p>Fractions A</p> <p><a href="#">VIEW</a></p>		<p>Number</p> <p>Fractions B</p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <p>Converting units</p> <p><a href="#">VIEW</a></p>	
Spring term	<p>Number</p> <p>Ratio</p> <p><a href="#">VIEW</a></p>	<p>Number</p> <p>Algebra</p> <p><a href="#">VIEW</a></p>		<p>Number</p> <p>Decimals</p> <p><a href="#">VIEW</a></p>		<p>Number</p> <p>Fractions, decimals and percentages</p> <p><a href="#">VIEW</a></p>		<p>Measurement</p> <p>Area, perimeter and volume</p> <p><a href="#">VIEW</a></p>		<p>Statistics</p> <p><a href="#">VIEW</a></p>		
Summer term	<p>Geometry</p> <p>Shape</p> <p><a href="#">VIEW</a></p>		<p>Geometry</p> <p>Position and direction</p> <p><a href="#">VIEW</a></p>		<p>Themed projects, consolidation and problem solving</p> <p><a href="#">VIEW</a></p>							

**Year 6 White Rose Maths small steps - Autumn**

Number - Place Value (2 weeks)	Number - Addition and subtraction, Multiplication and Division (5 weeks)	Number – Fractions A (2 weeks)	Number – Fractions B (2 weeks)
<p>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</p>	<p>Step 1 Add and subtract integers                      Step 2 Common factors                      Step 3 Common multiples                      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 15 Order of operations                      Step 16 Mental calculations and estimation                      Step 17 Reason from known facts</p>	<p>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                      Step 7 Add mixed numbers                      Step 8 Subtract mixed numbers                      Step 9 Multi-step problems</p>	<p>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</p>

**Year 6 White Rose Maths Small Steps - Spring**

Ratio (2 weeks)	Algebra (2 weeks)	Number – Decimals (2 weeks)	Number – Fractions, Decimals and Percentages (2 weeks)	Measure – Perimeter and Area (2 weeks)	Statistics (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	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 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	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 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	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	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



**Year 6 White Rose Maths Small Steps - Summer**

Geometry - Shape.(3 weeks)	Geometry – Position and Direction (1 weeks)	Themed Projects, Consolidation and Problem Solving
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 polygons Step 9 Circles Step 10 Draw shapes accurately Step 11 Nets of 3-D shapes	Step 1 The first quadrant Step 2 Read and plot points in four quadrants Step 3 Solve problems with coordinates Step 4 Translations Step 5 Reflections	