EYFS

There is no reference to 'small steps' in the WR programme. The Autumn term contains the following:

Spring

White Rose Maths

Phase	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
	Alive in 5!			Growing 6, 7, 8			Building 9 & 10		
Number	Introducing zero Comparing numbers to 5 Composition of 4 & 5			6, 7 & 8 Combining 2 amounts Making pairs			Counting to 9 & 10 Comparing numbers to 10 Bonds to 10		
Measure, Shape and Spatial Thinking	Compare Mass (2) Compare Capacity (2)			Length & Height Time			3d-shapes Patterns		

Source: White Rose

Year 1

Overview of Units:

Small steps of progression (taken from White Rose Version 3)

1. Place Value within 20	2. Addition and Subtraction within 20	3. Place Value within 50
Step 1 Count within 20	Step 1 Add by counting on within 20	Step 1 Count from 20 to 50
Step 2 Understand 10	Step 2 Add ones using number bonds	Step 2 20, 30, 40 and 50
Step 3 Understand 11, 12 and 13	Step 3 Find and make number bonds to 20	Step 3 Count by making groups of tens
Step 4 Understand 14, 15 and 16	Step 4 Doubles	Step 4 Groups of tens and ones
Step 5 Understand 17, 18 and 19	Step 5 Near doubles	Step 5 Partition into tens and ones
Step 6 Understand 20	Step 6 Subtract ones using number bonds	Step 6 The number line to 50
Step 7 1 more and 1 less	Step 7 Subtraction – counting back	Step 7 Estimate on a number line to 50
Step 8 The number line to 20	Step 8 Subtraction – finding the difference	Step 8 1 more, 1 less
Step 9 Use a number line to 20	Step 9 Related facts	
Step 10 Estimate on a number line to 20	Step 10 Missing number problems	
Step 11 Compare numbers to 20		
Step 12 Order numbers to 20		

4. Length and Height	Weight and Volume	
Step 1 Compare lengths and heights	Step 1 Heavier and lighter	
Step 2 Measure length using objects	Step 2 Measure mass	Step 5 Compare volume
Step 3 Measure length in centimetres	Step 3 Compare mass	Step 6 Measure capacity
	Step 4 Full and empty	Step 7 Compare capacity

Small steps not yet produced by primary stars (but match the WR ones above)

Source: White Rose

Year 2

Overview of Units:

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Spring	Measurement: Money		Number: Multiplication and Division					Measurement: Length and Height		Measurement: Mass, Capacity and Temperature		

Small steps of progression (taken from White Rose Version 3)

1. Money	2. Multiplication and Division	
Step 1 Count money – pence	Step 1 Recognise equal groups	
Step 2 Count money – pounds (notes and coins)	Step 2 Make equal groups	
Step 3 Count money – pounds and pence	Step 3 Add equal groups	
Step 4 Choose notes and coins	Step 4 Introduce the multiplication symbol	Step 11 Doubling and halving
Step 5 Make the same amount	Step 5 Multiplication sentences	Step 12 Odd and even numbers
Step 6 Compare amounts of money	Step 6 Use arrays	Step 13 The 10 times-table
Step 7 Calculate with money	Step 7 Make equal groups — grouping	Step 14 Divide by 10
Step 8 Make a pound	Step 8 Make equal groups — sharing	Step 15 The 5 times-table
Step 9 Find change	Step 9 The 2 times-table	Step 16 Divide by 5
Step 10 Two-step problems	Step 10 Divide by 2	Step 17 The 5 and 10 times-tables

3. Length and Height	4. Mass, Capacity and Temperature	
Step 1 Measure in centimetres	Step 1 Compare mass	
Step 2 Measure in metres	Step 2 Measure in grams	Step 6 Measure in millilitres
Step 3 Compare lengths and heights	Step 3 Measure in kilograms	Step 7 Measure in litres
Step 4 Order lengths and heights	Step 4 Four operations with mass	Step 8 Four operations with volume and capacity
Step 5 Four operations with lengths and heights	Step 5 Compare volume and capacity	Step 9 Temperature

Small steps not yet produced by primary stars (but match the WR ones above)

Source: White Rose

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
Spring term	Number **Multiplication and division B** VIEW			Measurement **Length and perimeter** VIEW			Number **Fractions A** VIEW			Measurement **Mass and capacity** VIEW		

Small steps of progression (White Rose Version 3)

1. Multiplication and Division B	2. Length and Perimeter
Step 1 Multiples of 10	Step 1 Measure in metres and centimetres
Step 2 Related calculations	Step 2 Measure in millimetres
Step 3 Reasoning about multiplication	Step 3 Measure in centimetres and millimetres
Step 4 Multiply a 2-digit number by a 1-digit number – no exchange	Step 4 Metres, centimetres and millimetres
Step 5 Multiply a 2-digit number by a 1-digit number – with exchange	Step 5 Equivalent lengths (metres and centimetres)
Step 6 Link multiplication and division	Step 6 Equivalent lengths (centimetres and millimetres)
Step 7 Divide a 2-digit number by a 1-digit number – no exchange	Step 7 Compare lengths
Step 8 Divide a 2-digit number by a 1-digit number – flexible partitioning	Step 8 Add lengths
Step 9 Divide a 2-digit number by a 1-digit number – with remainders	Step 9 Subtract lengths
Step 10 Scaling	Step 10 What is perimeter?
Step 11 How many ways?	Step 11 Measure perimeter
	Step 12 Calculate perimeter

3. Fractions A	4. Mass and Capacity
Step 1 Understand the denominators of unit fractions	Step 1 Use scales
Step 2 Compare and order unit fractions	Step 2 Measure mass in grams
Step 3 Understand the numerator of non-unit fractions	Step 3 Measure mass in kilograms and grams
Step 4 Understand the whole	Step 4 Equivalent masses (kilograms and grams)
Step 5 Compare and order non-unit fractions	Step 5 Compare mass
Step 6 Fractions and scales	Step 6 Add and subtract mass
Step 7 Fractions on a number line	Step 7 Measure capacity and volume in millilitres
Step 8 Count in fractions on a number line	Step 8 Measure capacity and volume in litres and millilitres
Step 9 Equivalent fractions on a number line	Step 9 Equivalent capacities and volumes (litres and millilitres)
Step 10 Equivalent fractions as bar models	Step 10 Compare capacity and volume
	Step 11 Add and subtract capacity and volume

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
Spring term	Number **Multiplication and division B**			Measurement **Length and perimeter**		Number **Fractions**				Number **Decimals A**		

Small steps of progression (White Rose Version 3)

1. Multiplication and Division B	3. Fractions	4. Decimals A
Step 1 Factor pairs	Step 1 Understand the whole	Step 1 Tenths as fractions
Step 2 Use factor pairs	Step 2 Count beyond 1	Step 2 Tenths as decimals
Step 3 Multiply by 10	Step 3 Partition a mixed number	Step 3 Tenths on a place value chart
Step 4 Multiply by 100	Step 4 Number lines with mixed numbers	Step 4 Tenths on a number line
Step 5 Divide by 10	Step 5 Compare and order mixed numbers	Step 5 Divide a 1-digit number by 10
Step 6 Divide by 100	Step 6 Understand improper fractions	Step 6 Divide a 2-digit number by 10
Step 7 Related facts — multiplication and division	Step 7 Convert mixed numbers to improper fractions	Step 7 Hundredths as fractions
Step 8 Informal written methods for multiplication	Step 8 Convert improper fractions to mixed numbers	Step 8 Hundredths as decimals
Step 9 Multiply a 2-digit number by a 1-digit number	Step 9 Equivalent fractions on a number line	Step 9 Hundredths on a place value chart
Step 10 Multiply a 3-digit number by a 1-digit number	Step 10 Equivalent fraction families	Step 10 Divide a 1- or 2-digit number by 100
Step 11 Divide a 2-digit number by a 1-digit number (1)	Step 11 Add two or more fractions	
Step 12 Divide a 2-digit number by a 1-digit number (2)	Step 12 Add fractions and mixed numbers	
Step 13 Divide a 3-digit number by a 1-digit number	Step 13 Subtract two fractions	
Step 14 Correspondence problems	Step 14 Subtract from whole amounts	
Step 15 Efficient multiplication	Step 15 Subtract from mixed numbers	

2. Length and Perimeter	
Step 1 Measure in kilometres and metres	
Step 2 Equivalent lengths (kilometres and metres)	Step 6 Find missing lengths in rectilinear shapes
Step 3 Perimeter on a grid	Step 7 Calculate the perimeter of rectilinear shapes
Step 4 Perimeter of a rectangle	Step 8 Perimeter of regular polygons
Step 5 Perimeter of rectilinear shapes	Step 9 Perimeter of polygons

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

Spring term

Number **Multiplication and division B**	Number **Fractions B**	Number **Decimals and percentages**	Measurement **Perimeter and area**	**Statistics**

Small steps of progression (White Rose Version 3)

1. Multiplication and Division B	2. Fractions B	3. Decimals and Percentages
Step 1 Multiply up to a 4-digit number by a 1-digit number	Step 1 Multiply a unit fraction by an integer	Step 1 Decimals up to 2 decimal places
Step 2 Multiply a 2-digit number by a 2-digit number (area mo	Step 2 Multiply a non-unit fraction by an integer	Step 2 Equivalent fractions and decimals (tenths)
Step 3 Multiply a 2-digit number by a 2-digit number	Step 3 Multiply a mixed number by an integer	Step 3 Equivalent fractions and decimals (hundredths)
Step 4 Multiply a 3-digit number by a 2-digit number	Step 4 Calculate a fraction of a quantity	Step 4 Equivalent fractions and decimals
Step 5 Multiply a 4-digit number by a 2-digit number	Step 5 Fraction of an amount	Step 5 Thousandths as fractions
Step 6 Solve problems with multiplication	Step 6 Find the whole	Step 6 Thousandths as decimals
Step 7 Short division	Step 7 Use fractions as operators	Step 7 Thousandths on a place value chart
Step 8 Divide a 4-digit number by a 1-digit number		Step 8 Order and compare decimals (same number of decimal pla
Step 9 Divide with remainders		Step 9 Order and compare any decimals with up to 3 decimal pla
Step 10 Efficient division		Step 10 Round to the nearest whole number
Step 11 Solve problems with multiplication and division		Step 11 Round to 1 decimal place
		Step 12 Understand percentages
		Step 13 Percentages as fractions
		Step 14 Percentages as decimals
		Step 15 Equivalent fractions, decimals and percentages

4. Perimeter and Area	5. Statistics	
Step 1 Perimeter of rectangles	Step 1 Draw line graphs	
Step 2 Perimeter of rectilinear shapes	Step 2 Read and interpret line graphs	
Step 3 Perimeter of polygons	Step 3 Read and interpret tables	
Step 4 Area of rectangles	Step 4 Two-way tables	
Step 5 Area of compound shapes	Step 5 Read and interpret timetables	
Step 6 Estimate area		

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

Spring term	Number **Ratio**	Number **Algebra**	Number **Decimals**	Number **Fractions decimals and percentages**	Measurement **Area, perimeter and volume**	**Statistics**

Small steps of progression (White Rose Version 3)

1. Ratio	2. Algebra	3. Decimals
Step 1 Add or multiply?	Step 1 1-step function machines	Step 1 Place value within 1
Step 2 Use ratio language	Step 2 2-step function machines	Step 2 Place value — integers and decimals
Step 3 Introduction to the ratio symbol	Step 3 Form expressions	Step 3 Round decimals
Step 4 Ratio and fractions	Step 4 Substitution	Step 4 Add and subtract decimals
Step 5 Scale drawing	Step 5 Formulae	Step 5 Multiply by 10, 100 and 1,000
Step 6 Use scale factors	Step 6 Form equations	Step 6 Divide by 10, 100 and 1,000
Step 7 Similar shapes	Step 7 Solve 1-step equations	Step 7 Multiply decimals by integers
Step 8 Ratio problems	Step 8 Solve 2-step equations	Step 8 Divide decimals by integers
Step 9 Proportion problems	Step 9 Find pairs of values	Step 9 Multiply and divide decimals in context
Step 10 Recipes	Step 10 Solve problems with two unknowns	

4. Fractions, Dec. & Percentages	5. Area, Perimeter and Vol.	6. Statistics
Step 1 Decimal and fraction equivalents	Step 1 Shapes – same area	Step 1 Line graphs
Step 2 Fractions as division	Step 2 Area and perimeter	Step 2 Dual bar charts
Step 3 Understand percentages	Step 3 Area of a triangle — counting squares	Step 3 Read and interpret pie charts
Step 4 Fractions to percentages	Step 4 Area of a right-angled triangle	Step 4 Pie charts with percentages
Step 5 Equivalent fractions, decimals and percentages	Step 5 Area of any triangle	Step 5 Draw pie charts
Step 6 Order fractions, decimals and percentages	Step 6 Area of a parallelogram	Step 6 The mean
Step 7 Percentage of an amount — one step	Step 7 Volume - counting cubes	
Step 8 Percentage of an amount — multi-step	Step 8 Volume of a cuboid	
Step 9 Percentages — missing values		