Brabourne
CofE Primary School

Year 3/4

Yearly Overview with Small Steps

This document was created to support the teaching of the components within the National Curriculum for Mathematics. Using the White Rose small steps, we have carefully and closely matched the individual small steps for the single year groups to create our own mixed year group small steps to enable teachers to teach more efficiently and effectively.

Steps highlighted in yellow have been added as recap lessons, to take into account the potential learning lost during the lockdown period, as well as additional lessons to compliment the teaching of mixed year groups. Steps highlighted in green have been added to give children further opportunities to practise their reasoning and problem solving skills or consolidate learning within that unit of work.

Year 3/4 - Yearly Overview

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Place Value (4 weeks)				Addition and Subtraction (4 weeks)				Multiplication and Division (4 weeks)			
Spring	Multiplication and Division (contd 3 weeks)			Length and Perimeter (3 weeks)			Fractions (4 weeks)				Decimals (2 weeks)	
Summer	Decimals (Contd 2 weeks)		Time (2 weeks)		Money (1 week)	Statistics (1 week)	Shape (1 week)	Mass and Capacity (2 weeks)		Position and Direction (1 week)	Consolidation (2 weeks)	

Y3/4 – Place Value – Total: 19 days (4 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Represent numbers to 100	Autumn Block 1 Step 1	Represent numbers to 1000	Autumn Block 1 Step 1
Day 2	Partition numbers to 100	Autumn Block 1 Step 2	Partition numbers to 1000	Autumn Block 1 Step 2
Day 3	Number line to 100	Autumn Block 1 Step 3	Number line to 1000	Autumn Block 1 Step 3
Day 4	Hundreds	Autumn Block 1 Step 4	Thousands	Autumn Block 1 Step 4
Day 5	Represent numbers to 1,000	Autumn Block 1 Step 5	Represent numbers to 10,000	Autumn Block 1 Step 5
Day 6	Partition numbers to 1,000	Autumn Block 1 Step 6	Partition numbers to 10,000	Autumn Block 1 Step 6
Day 7	Flexible partitioning of numbers to 1,000	Autumn Block 1 Step 7	Flexible partitioning of numbers to 10,000	Autumn Block 1 Step 7
Day 8	Hundreds, tens and ones	Autumn Block 1 Step 8	<mark>Thousands, Hundreds, tens and ones (additional)</mark>	<mark>(Use Y3 adding thousands)</mark>
Day 9	Find 1, 10 or 100 more or less	Autumn Block 1 Step 9	Find 1, 10, 100 or 1,000 more or less	Autumn Block 1 Step 8
Day 10	Number line to 1,000	Autumn Block 1 Step 10	Number line to 10,000	Autumn Block 1 Step 9
Day 11	Estimate on a number line to 1,000	Autumn Block 1 Step 11	Estimate on a number line to 10,000	Autumn Block 1 Step 10
Day 12	Compare numbers to 1,000	Autumn Block 1 Step 12	Compare numbers to 10,000	Autumn Block 1 Step 11
Day 13	Order numbers to 1,000	Autumn Block 1 Step 13	Order numbers to 10,000	Autumn Block 1 Step 12
Day 14	<mark>Roman numbers to 10 only (additional)</mark>	<mark>(Use Y4)</mark>	Roman numbers	Autumn Block 1 Step 13
Day 15	<mark>Round numbers to the nearest 10 (up to 100 – additional)</mark>	<mark>(Use Y4)</mark>	Round numbers to the nearest 10	Autumn Block 1 Step 14
Day 16	<mark>Round numbers to the nearest 100 (up to 1,000 – additional)</mark>	<mark>(Use Y4)</mark>	Round numbers to the nearest 100	Autumn Block 1 Step 15
Day 17	<mark style="background-color:#00ff00">Consolidation</mark>		Round numbers to the nearest 1,000	Autumn Block 1 Step 16
Day 18	<mark style="background-color:#00ff00">Reasoning and Problem Solving</mark>		Round numbers to the nearest 10, 100 or 1000	Autumn Block 1 Step 17
Day 19	Count in 50s	Autumn Block 1 Step 14	Count in 50s (over 1,000 – additional)	(Use Y3)

Y3/4 – Addition and Subtraction – Total: 18 days (4 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Applying number bonds within 10		Applying number bonds within 10 (recap)	(Use Y3)
Day 2	Add and subtract 1s and 10s (incorporating spotting patterns)	Autumn Block 2 Steps 2, 3, 5	Add and subtract 1s and 10s	Autumn Block 2 Step 1
Day 3	Add and subtract 100s (incorporating spotting patterns)	Autumn Block 2 Steps 4, 5	Add and subtract 100s and 1000s	Autumn Block 2 Step 1
Day 4	Add 1s across a 10	Autumn Block 2 Steps 6	Add 1s across 10 (over 1000 – additional)	(Use Y3)
Day 5	Add 10s across 100	Autumn Block 2 Steps 7	Add 10s across 100 (over 1000 – additional)	(Use Y3)
Day 6	Subtract 1s across a 10	Autumn Block 2 Steps 8	Subtract 1s across a 10 (over 1000 – additional)	(Use Y3)
Day 7	Subtract 10s across a 100	Autumn Block 2 Steps 9	Subtract 10s across a 100 (over 1000)	(Use Y3)
Day 8	Add 2 numbers (no exchange)	Autumn Block 2 Steps 11	Add 2, 4 digit numbers (no exchange)	Autumn Block 2 Step 2
Day 9	Add 2 numbers (across a 10)	Autumn Block 2 Steps 13	Add 2, 4 digits numbers (one exchange)	Autumn Block 2 Step 3
Day 10	Add 2 numbers (across a 100)	Autumn Block 2 Steps 14	Add 2, 4 digit numbers (more than one exchange)	Autumn Block 2 Step 4
Day 11	Add 2 digit and 3 digit numbers	Autumn Block 2 Steps 17	Consolidation Reasoning and Problem Solving	
Day 12	Subtract 2 numbers (no exchange)	Autumn Block 2 Steps 12	Subtract 2, 4 digit numbers (no exchange)	Autumn Block 2 Step 5
Day 13	Subtract 2 numbers (across a 10)	Autumn Block 2 Steps 15	Subtract 2, 4 digit numbers (one exchange)	Autumn Block 2 Step 6
Day 14	Subtract two numbers (across a 100)	Autumn Block 2 Steps 16	Subtract 2, 4 digit numbers (more than one exchange)	Autumn Block 2 Step 7
Day 15	Subtract a 2 digit number from a 3 digit number	Autumn Block 2 Steps 18	Efficient subtraction	Autumn Block 2 Step 8
Day 16	Complements to 100	Autumn Block 2 Steps 19	Complements to 1000 (additional)	(Use Y3)
Day 17	Estimate answers	Autumn Block 2 Steps 20	Estimate answers	Autumn Block 2 Step 9
Day 18	Inverse operations	Autumn Block 2 Steps 21	Checking strategies	Autumn Block 2 Step 10

Year 3/4 – Multiplication and Division - Total: 35 days (7 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Multiplication – equal groups	Autumn Block 3 Step 1	Multiplication – equal groups (Recap)	(R Use Y3)
Day 2	Use arrays	Autumn Block 3 Step 2	Use arrays (Recap)	(R Use Y3)
Day 3	Multiples of 2	Autumn Block 3 Step 3	Multiples of 2, 5 and 10 (Recap)	(R Use Y3)
Day 4	Multiples of 5 and 10	Autumn Block 3 Step 4 and Spring Block 1 Step 1	Multiply by 10 and 100	Spring Block 1 Steps 3 & 4
Day 5	Sharing and grouping - grouping	Autumn Block 3 Step 5	Multiply by 1 and 0	Autumn Block 4 Step 11
Day 6	Sharing and grouping - sharing	Autumn Block 3 Step 5	Divide by 1 and itself	Autumn Block 4 Step 12
Day 7	Divide by 2 (Recap)	(Use Y2)	Divide by 10	Spring Block 1 Step 5
Day 8	Divide by 5 and 10 (Recap)	(Use Y2)	Divide by 100	Spring Block 1 Step 6
Day 9	Multiply by 3 / 3 times table	Autumn Block 3 Steps 6 & 8	Multiples of 3 / 3 times table (Recap)	Autumn Block 4 Step 1 (Use Y3)
Day 10	Divide by 3	Autumn Block 3 Step 7	Divide by 3 (Recap)	(Use Y3)
Day 11	Multiply by 4 / 4 times table	Autumn Block 3 Steps 9 & 11	Multiply by 6 / 6 times table	Autumn Block 4 Steps 2 & 3
Day 12	Divide by 4	Autumn Block 3 Step 10	Divide by 6 / Division facts	Autumn Block 4 Steps 2 & 3
Day 13	Multiply by 8 / 8 times table	Autumn Block 3 Steps 12 & 14	Multiply by 9 / 9 times table	Autumn Block 4 Steps 4 & 5
Day 14	Divide by 8	Autumn Block 3 Step 13	Divide by 9 / Division facts	Autumn Block 4 Steps 4 & 5
Day 15	2, 4 and 8 times table	Autumn Block 3 Step 15	Multiply by 7 / 7 times table	Autumn Block 4 Steps 7 & 8
Day 16	Link Multiplication and Division	Spring Block 1 Step 6	Divide by 7 / Division facts	Autumn Block 4 Steps 7 & 8

Day 17			11 times table and division facts	Autumn Block 4 Step 9	
Day 18	Consolidation Reasoning & Problem Solving		12 times table and division facts	Autumn Block 4 Step 10	
Day 19			Multiply 3 numbers	Autumn Block 4 Step 13	
Day 20			Informal written methods for multiplication	Spring Block 1 Step 8	
Day 21	Related calculations	Spring Block 1 Step 2	Related facts – multiplication and division	Spring Block 1 Step 7	
Day 22	Reasoning about multiplication	Spring Block 1 Step 3	Reasoning and about multiplication and division (Recap)	(Use Y3)	
Day 23	Consolidation Reasoning and Problem Solving		Factor pairs	Spring Block 1 Step 1	
Day 24			Use factor pairs	Spring Block 1 Step 2	
Day 25	Multiply 2-digits by 1 digit – no exchange – activity	Spring Block 1 Step 4	Efficient multiplication	Spring Block 1 Step 15	
Day 26	Multiply 2 digits by 1 digit – no exchange	Spring Block 1 Step 4	Multiply 2 digits by 1 digit – no exchange	Spring Block 1 Step 9	
Day 27	Multiply 2 digits by 1 digit – exchange – activity	Spring Block 1 Step 5	Multiply 2 digits by 1 digit - exchange	Spring Block 1 Step 9	
Day 28	Multiply 2 digits by 1 digit - exchange	Spring Block 1 Step 5	Consolidation Reasoning and Problem Solving		
Day 29	Scaling	Spring Block 1 Step 10	Multiply 3 digits by 1 digit	Spring Block 1 Step 10	
Day 30	Divide 2 digits by 1 digit – no exchange	Spring Block 1 Step 7	Divide 2 digit by 1 digit (1)	Spring Block 1 Step 11	
Day 31	Divide 2 digits by 1 digit – flexible partitioning	Spring Block 1 Step 8			
Day 32	Divide a 2 digit number by a 1 digit number with remainders - activity	Spring Block 1 Step 9	Divide 2 digit by 1 digit (2)	Spring Block 1 Step 12	
Day 33	Divide 2 digits by 1 digit with remainders	Spring Block 1 Step 9			
Day 34	Consolidation Reasoning and Problem Solving		Divide 3 digit number by a 1 digit number	Spring Block 1 Step 13	
Day 35	How many ways?	Spring Block 1 Step 11	Correspondence problems	Spring Block 1 Step 14	

Y3/4 – Length, Perimeter and Area – Total: 14 days (3 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Measure in metres and centimetres	Spring Block 2 Step 1	Measure in metres and centimetres (Recap)	(Use Year 3)
Day 2	Measure in millimetres	Spring Block 2 Step 2	Measure in millimetres (Recap)	(Use Year 3)
Day 3	Measure in centimetres and millimetres	Spring Block 2 Step 3	Measure in centimetres and millimetres (Recap)	(Use Year 3)
Day 4	Metres, centimetres and millimetres	Spring Block 2 Step 4	Measure in kilometres and metres	Spring Block 2 Step 1
Day 5	Equivalent lengths (metres and centimetres)	Spring Block 2 Step 5	Equivalent lengths (kilometres and metres)	Spring Block 2 Step 2
Day 6	Equivalent lengths (centimetres and millimetres)	Spring Block 2 Step 6		
Day 7	Consolidation Reasoning and Problem Solving		What is area? Count squares	Autumn Block 3 Step 1 & 2
Day 8			Make shapes	Autumn Block 3 Step 3
Day 9	Compare lengths	Spring Block 2 Step 7	Compare area	Autumn Block 3 Step 4
Day 10	What is a perimeter? Add lengths	Spring Block 2 Step 8 & 10	Perimeter on a grid	Spring Block 2 Step 3
Day 11	Measure perimeter	Spring Block 2 Step 11	Perimeter of a rectangle	Spring Block 2 Step 4
Day 12	Calculate perimeter	Spring Block 2 Step 12	Perimeter (and calculate perimeter) of a rectilinear shape	Spring Block 2 Step 5 & 7
Day 13	Consolidation Reasoning and Problem Solving		Perimeter of regular polygons and polygons	Spring Block 2 Step 8 & 9
Day 14	Subtract lengths	Spring Block 2 Step 9	Find missing lengths in rectilinear shapes	Spring Block 2 Step 6

Y3/4 – Fractions – Total: 20 days (4 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Understand the denominators of unit fractions	Spring Block 3 Step 1	Understand the denominators of unit fractions (Recap)	(Use Y3)
Day 2	Understand the numerators of non-unit fractions	Spring Block 3 Step 3	Understand the numerators of non-unit fractions (Recap)	(Use Y3)
Day 3	Understand the whole	Spring Block 3 Step 4	Understand the whole	Spring Block 3 Step 1
Day 4	Consolidation Reasoning and Problem Solving		Count beyond 1	Spring Block 3 Step 2
Day 5	Fractions and scales	Spring Block 3 Step 6	Partition a mixed number	Spring Block 3 Step 3
Day 6	Fractions on a number line	Spring Block 3 Step 7	Number lines with mixed numbers	Spring Block 3 Step 4
Day 7	Count in fractions on a number line	Spring Block 3 Step 8		
Day 8	Compare and order non-unit fractions and unit fractions	Spring Block 3 Steps 5 and 2	Compare and order mixed numbers	Spring Block 3 Step 5
Day 9			Understand improper fractions	Spring Block 3 Step 6
Day 10	Consolidation Reasoning and Problem Solving		Convert mixed numbers to improper fractions	Spring Block 3 Step 7
Day 11			Convert improper fractions to mixed numbers	Spring Block 3 Step 8
Day 12	Equivalent fractions on a number line	Spring Block 3 Step 9	Equivalent fractions on a number line	Spring Block 3 Step 9
Day 13	Equivalent fractions as bar models	Spring Block 3 Step 10	Equivalent fractions as bar models (Recap)	(Use Y3)
Day 14	Equivalent fraction families (additional)	Use Y4 simplified	Equivalent fraction families	Spring Block 3 Step 10
Day 15	Add fractions	Summer Block 1 Step 1	Add 2 or more fractions	Spring Block 3 Step 11
Day 16	Consolidation / Reasoning & PS		Add fractions and mixed numbers	Spring Block 3 Step 12
Day 17	Subtract fractions	Summer Block 1 Step 2	Subtract two fractions	Spring Block 3 Step 13
Day 18	Unit and Non-unit fractions of a set amount	Summer Block 1 Step 4 & 5	Subtract from whole amounts	Spring Block 3 Step 14
Day 19	Reasoning with fractions of an amount	Summer Block 1 Step 6	Subtract from mixed numbers	Spring Block 3 Step 15

Year 3/4 - Decimals – Total: 17 days (3 weeks and 2 days)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1			Tenths as fractions	Spring Block 4 Step 1
Day 2			Tenths as decimals	Spring Block 4 Step 2
Day 3			Tenths on a pv chart	Spring Block 4 Step 3
			Tenths on a number line	Spring Block 4 Step 4
Day 4			Divide a 1 digit number by 10	Spring Block 4 Step 5
Day 5			Divide a 2 digit number by 10	Spring Block 4 Step 6
Day 6			Hundredths as fractions	Spring Block 4 Step 7
Day 7	In this block, Year 3 children will be introduced to decimals on a basic level in line with place value and multiplication and division that has already been taught. Children will also be taught on a more practical level where possible.		Hundredths as decimals	Spring Block 4 Step 8
Day 8			Hundredths on a pv chart	Spring Block 4 Step 9
Day 9			Divide a 1 or 2 digit number by 100	Spring Block 4 Step 10
Day 10			Make a whole with tenths	Summer Block 1 Step 1
Day 11			Make a whole with hundredths	Summer Block 1 Step 2
Day 12			Partition decimals	Summer Block 1 Step 3
Day 13			Flexibly partition decimals	Summer Block 1 Step 4
Day 14			Compare decimals	Summer Block 1 Step 5
Day 15			Order decimals	Summer Block 1 Step 6
Day 16			Round to the nearest whole number	Summer Block 1 Step 7
Day 17			Halves and quarters as decimals	Summer Block 1 Step 8

Y3/4 – Time – Total: 10 days (2 weeks)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Tell the time to 5 minutes	Summer Block 3 Step 2	Tell the time to 5 mins (recap)	(Use Y3)
Day 2	Tell the time to the minutes	Summer Block 3 Step 3	Tell the time to the minute (Recap)	(Use Y3)
Day 3	Read the time on a digital clock including am and pm Tell the time to the minutes	Summer Block 3 Step 4 & 5	Read the time on a digital clock including am and pm Tell the time to the minutes	(Use Y3)
Day 4	Years, months and days	Summer Block 3 Step 6	Years, months, weeks and days	Spring Block 3 Step 1
Day 5	Days and hours	Summer Block 3 Step 7	Days and hours (recap)	Use Y3
Day 6	Hours, minutes and seconds (use start and end times use durations)	Summer Block 3 Steps 8, 9 and 10	Hours, minutes and seconds	Summer Block 3 Steps 2
Day 7	Hours, minutes and seconds (use start and end times use durations)	Summer Block 3 Steps 8, 9 and 10	Problem solving Days 4, 5 and 6	
Day 8	Units of time	Summer Block 3 Step 11	Convert between analogue and digital times	Summer Block 3 Steps 3
Day 9	Solve problems with time	Summer Block 3 Step 12	Convert to the 24 hour clock	Summer Block 3 Steps 4
Day 10	Consolidation		Convert from the 24 hour clock	Summer Block 3 Steps 5

Y3/4 – Money – Total: 5 days (1 week)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Pounds and Pence	Summer Block 2 Step 1	Write money using decimals	Summer Block 2 Step 1
Day 2	Convert Pounds and Pence	Summer Block 2 Step 2	Convert between pounds and pence	Summer Block 2 Step 2
Day 3	<mark>Compare amounts of money</mark>	<mark>(Use Y4)</mark>	Compare amounts of money	Summer Block 2 Step 3
Day 4	Add money	Summer Block 2 Step 3	Estimate money	Summer Block 2 Step 4
Day 5	Subtract money incorporating find change	Summer Block 2 Step 4 & 5	Calculate and solve problems with money	Summer Block 2 Step 5 & 6

Y3/4 – Statistics – Total: 4 days (1 week)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Draw and Interpret pictograms	Summer Block 5 Step 1 & 2	Interpret charts	Summer Block 5 Step 1
Day 2	Draw and interpret bar charts	Summer Block 5 Step 3 & 4	Draw and interpret line graphs	Summer Block 5 Step 2 & 3
Day 3	Collect and represent data	Summer Block 5 Step 5	Comparison, sum and difference	Summer Block 5 Step 4
Day 4	Two way tables	Summer Block 5 Step 6	Consolidation	

Y3/4 – Shape – Total: 5 days (1 week)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Turns and angles	Summer Block 4 Step 1	Understand angles as turns	Summer Block 4 Step 1
Day 2	Right angles	Summer Block 4 Step 2	Identify angles	Summer Block 4 Step 2
Day 3	Compare angles	Summer Block 4 Step 3	Compare and order angles	Summer Block 4 Step 3
Day 4	Measure and draw accurately	Summer Block 4 Step 4	Triangles	Summer Block 4 Step 4
Day 5	Parallel and perpendicular	Summer Block 4 Step 6	Quadrilaterals	Summer Block 4 Step 5
Day 6	Draw Polygons	Summer Block 4 Step 8	Polygons	Summer Block 4 Step 6
Day 7	Horizontal and Vertical	Summer Block 4 Step 5	Lines of Symmetry	Summer Block 4 Step 7
Day 8	Recognise and describe 2D shapes	Summer Block 4 Step 7	Complete a symmetric figure	Summer Block 4 Step 8
Day 9	Recognise, describe and make 3D shapes	Summer Block 4 Step 9 & 10	Consolidation / Reasoning & Problem solving	

Y3/4 – Mass & Capacity – Total: 10 days (2 weeks)
Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	Using Scales measuring mass in grams	Spring Block 4 Step 1 & 2	In this block, Year 4 children will recap Mass and Capacity in line with place value and addition and subtraction that has already been taught, eg: over 1000. Children will have more opportunities to reason and problem solve this unit.	
Day 2	Measure mass in kilograms and grams	Spring Block 4 Step 3		
Day 3	Equivalent masses (kg and g)	Spring Block 4 Step 4		
Day 4	Compare mass	Spring Block 4 Step 5		
Day 5	Add and subtract mass	Spring Block 4 Step 6		
Day 6	Measure capacity and volume in ml	Spring Block 4 Step 7		
Day 7	Measure capacity and volume in litres and ml	Spring Block 4 Step 8		
Day 8	Equivalent capacities and volumes (litres and ml)	Spring Block 4 Step 9		
Day 9	Compare capacity and volume	Spring Block 4 Step 10		
Day 10	Add and subtract capacity and volume	Spring Block 4 Step 11		

Y3/4 – Position and Direction – Total: 5 days (1 week)

Lesson by lesson overview

	Year 3	WR Unit Block & Step	Year 4	WR Unit Block & Step
Day 1	In this block, Year 3 children will be introduced to the Year 4 Unit on Position and Direction on a basic level		Describe position using coordinates	Summer Block 6 Step 1
Day 2			Plot coordinates	Summer Block 6 Step 2
Day 3			Draw 2D shapes	Summer Block 6 Step 3
Day 4			Translate on a grid	Summer Block 6 Step 4
Day 5			Describe translation on a grid	Summer Block 6 Step 5