Brabourne
CofE Primary School

Year 5/6

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.

Y5/6 Maths Yearly Overview

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number: Place Value		Number: Four Operations					Number: Fractions (5 weeks)				
Spring	Number: Decimals, Percentages and Fractions (5 weeks)					Ratio and Algebra (2 weeks, 1 day)		Converting Units (1 week, 2 days)	Area, Perimeter and Volume (2 weeks, 1 day)		Statistics (1 week, 3 days)	
Summer	Geometry: Properties of Shape (2 weeks 2 days)		Geometry: Position & Direction (1 week, 1 day)	SATs / Negative Numbers (Yr5) (1 week)	(Themed projects, consolidation & problem solving)							

Y5/6 – Fractions – Total: 25 days (5 weeks)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Find fractions equivalent to a unit and non-unit fraction	Autumn Block 4 Step 1 & 2	Equivalent fractions and simplifying	Autumn Block 3 Step 1
Day 2	Recognise equivalent fractions	Autumn Block 4 Step 3	Equivalent fractions on a number line	Autumn Block 3 Step 2
Day 3	Convert improper fractions to mixed numbers	Autumn Block 4 Step 4	Convert improper fractions to mixed numbers (recap)	(Use Y5)
Day 4	Convert mixed numbers to improper fractions	Autumn Block 4 Step 5	Convert mixed numbers to improper fractions	(Use Y5)
Day 5	Compare fractions less than 1	Autumn Block 4 Step 6	Compare and order (denominator)	Autumn Block 3 Step 3
Day 6	Order fractions less than 1	Autumn Block 4 Step 7	Compare and order (numerator)	Autumn Block 3 Step 4
Day 7	Compare and order fractions greater than 1	Autumn Block 4 Step 8	Compare and order fractions greater than 1 (recap)	(Use Y5)
Day 8	Add and subtract fractions with the same denominator	Autumn Block 4 Step 9	Add and subtract simple fractions	Autumn Block 3 Step 5
Day 9	Add fractions within 1	Autumn Block 4 Step 10	Add and subtract any two fractions	Autumn Block 3 Step 6
Day 10	Add fractions with a total greater than 1	Autumn Block 4 Step 11	Consolidation Reasoning and Problem Solving	
Day 12	Add to a mixed number	Autumn Block 4 Step 12	Add mixed numbers	Autumn Block 3 Step 7
Day 13	Add two mixed numbers	Autumn Block 4 Step 13	Consolidation Reasoning and Problem solving	
Day 14	Subtract fractions	Autumn Block 4 Step 14	Subtract fractions (recap)	(Use Y5)
Day 15	Subtract from a mixed number	Autumn Block 4 Step 15	Subtract mixed numbers	Autumn Block 3 Step 8
Day 16	Subtract from a mixed number breaking the whole	Autumn Block 4 Step 16	Multi step problems	Autumn Block 3 Step 9
Day 17	Subtract two mixed number	Autumn Block 4 Step 17	Consolidation Reasoning and Problem solving	
Day 18	Multiply a unit fraction by an integer	Spring Block 2 Step 1	Multiply fractions by integers	Autumn Block 4 Step 1
Day 19	Multiply a non-unit fraction by an integer	Spring Block 2 Step 2	Multiply fractions by fractions	Autumn Block 4 Step 2
Day 20	Multiply a mixed number by an integer	Spring Block 2 Step 3	Consolidation Reasoning and Problem solving	
Day 21	Calculate a fraction of a quantity	Spring Block 2 Step 4	Divide a fraction by an integer	Autumn Block 4 Step 3

Day 22	Consolidation Reasoning and Problem solving		Divide any fraction by an integer	Autumn Block 4 Step 4
Day 23	Fraction of an amount	Spring Block 2 Step 5	Fraction of an amount and Fractions as division	Autumn Block 4 Step 6 and Spring Block 4 Step 2
Day 24	Find the whole	Spring Block 2 Step 6	Fraction of an amount – find the whole	Autumn Block 4 Step 7
Day 25	Use fractions as operators	Spring Block 2 Step 7	Mixed questions with fractions	Autumn Block 4 Step 5

Y5/6 – Decimals, Percentages and Fractions – Total: 25 days (5 weeks)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Decimals up to 2 decimal places	Spring Block 3 Step 1	Place value within 1	Spring Block 3 Step 1
Day 2	Equivalent fractions and decimals (tenths)	Spring Block 3 Step 2	Equivalent fractions and decimals (tenths) Recap	(Use Y5)
Day 3	Equivalent fractions and decimals (hundredths)	Spring Block 3 Step 3	Equivalent fractions and decimals (hundredths) Recap	(Use Y5)
Day 4	Equivalent fractions and decimals	Spring Block 3 Step 4	Equivalent fractions and decimals Recap	(Use Y5)
Day 5	Thousandths as fractions Thousandths as decimals Thousandths on a pv chart	Spring Block 3 Step 5, 6, 7	Thousandths as fractions Thousandths as decimals Thousandths on a pv chart (Recap)	(Use Y5)
Day 6	Order and compare decimals (same number of decimal places)	Spring Block 3 Step 8	Order fractions, decimals and percentages	Spring Block 4 Step 6
Day 7	Order and compare any decimals with up to 3 decimal places	Spring Block 3 Step 9		
Day 8	Round to the nearest whole number	Spring Block 3 Step 10	Round decimals	Spring Block 3 Step 3
Day 9	Round to 1 decimal place	Spring Block 3 Step 11		
Day 10	Understand percentages	Spring Block 3 Step 12	Understanding percentages	Spring Block 4 Step 3
Day 11	Percentages as fractions Percentages as decimals	Spring Block 3 Step 13, 14	Fractions to percentages	Spring Block 4 Step 4
Day 12	Equivalent fractions, decimals and percentages	Spring Block 3 Step 15	Equivalent fractions, decimals and percentages	Spring Block 4 Step 5
Day 13	Consolidation Reasoning and Problem Solving		Percentage of an amount – one step Percentage of an amount – two step Percentages – missing values	Spring Block 4 Steps 7, 8, 9
Day 14	Use known facts to add and subtract decimals within 1	Summer Block 3 Step 1	Add and subtract decimals	Spring Block 3 Step 4
Day 15	Complements to 1	Summer Block 3 Step 2	Complements to 1 (Recap)	(Use Y5)
Day 16	Adding and subtract decimals across 1	Summer Block 3 Step 3	Add and subtract decimals	Spring Block 3 Step 4
Day 17	Adding decimals with the same number of decimal places	Summer Block 3 Step 4		
Day 18	Subtract decimals with the same number of decimal places	Summer Block 3 Step 5		
Day 19	Adding decimals with a different number of decimal places	Summer Block 3 Step 6		

Day 20	Subtract decimals with a different number of decimal places	Summer Block 3 Step 7		
Day 21	Efficient strategies for adding and subtracting decimals	Summer Block 3 Step 8		
Day 22	Decimal sequences	Summer Block 3 Step 9	Place value - integers and decimals	Spring Block 3 Step 2
Day 23	Multiply decimals by 10, 100 and 1000	Summer Block 3 Step 10	Multiply by 10, 100 and 1,000 Multiply decimals by integers Multiply decimals in context	Spring Block 3 Steps 5, 7, 9
Day 24	Dividing decimals by 10, 100 and 1000	Summer Block 3 Step 11	Divide by 10, 100 and 1,000 Divide decimals by integers Divide decimals in context	Spring Block 3 Steps 6, 8, 9
Day 25	Multiply and divide decimals – missing values	Summer Block 3 Step 12	Multiply and divide decimals – missing values (Recap)	(Use Y5)

Y5/6 – Ratio and Algebra – Total: 11 days (2 weeks, 1 day)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1			Add or Multiply? Use ratio language	Spring Block 1 Steps 1, 2
Day 2			Introduction to the ratio symbol Ration and fractions	Spring Block 1 Steps 3, 4
Day 3			Scale drawing	Spring Block 1 Step 5
Day 4	In this block, Year 5 children will be introduced to ratio and algebra on a basic level. Children will also be taught on a more practical level where possible.		Use scale factors Similar shapes	Spring Block 1 Steps 6, 7
Day 5			Ratio problems Proportion problems Use recipes	Spring Block 1 Steps 8, 9 10
Day 6			1 step function machines 2 step function machines	Spring Block 2 Steps 1, 2
Day 7			Form expressions Substitution Formulae	Spring Block 2 Steps 3, 4, 5
Day 8			Form equations	Spring Block 2 Step 6
Day 9			Solve 1 step equations Solve 2 step equations	Spring Block 2 Steps 7, 8
Day 10			Find pairs of values	Spring Block 2 Step 9
Day 11			Solve problems with two unknowns	Spring Block 2 Step 10

Y5/6 – Converting Units = Total: 6 days (1 week, 2 days)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Miles and Kilometers	(Use Y6)	Miles and kilometers	Autumn Block 5 Step 4
Day 2	Kilograms and kilometers	Summer Block 5 Step 1	Kilograms and kilometers (Recap)	(Use Y5)
Day 3	Millimeters and milliliters	Summer Block 5 Step 2	Millimeters and milliliters (Recap)	(Use Y5)
Day 4	Convert units of length (metric)	Summer Block 5 Step 3	Metric measures	Autumn Block 5 Step 1
Day 5	Imperial measures	(Use Y6)	Imperial measures	Autumn Block 5 Step 5
Day 6	Convert between metric and imperial units	Summer Block 5 Step 4	Convert metric measures	Autumn Block 5 Step 2
Day 7	Converting units of time	Summer Block 5 Step 5	Calculate with metric measures	Autumn Block 5 Step 3
Day 8	Calculate with timetables	Summer Block 5 Step 6	Consolidation / Reasoning & PS	

Y5/6 – Area, Perimeter and Volume – Total: 11 days (2 weeks, 1 day)

Lesson by Lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Perimeter of rectangles	Spring Block 4 Step 1	Shapes – same area	Spring Block 5 Step 1
Day 2	Perimeter of rectilinear shapes	Spring Block 4 Step 2	Area and Perimeter	Spring Block 5 Step 2
Day 3	Perimeter of Polygons	Spring Block 4 Step 3	Perimeter of Polygons (Recap)	(Use Y5)
Day 4	Consolidation Reasoning and Problem Solving		Area of a triangle	Spring Block 5 Step 3
Day 5	Area of rectangles	Spring Block 4 Step 4	Area of a right angled triangle	Spring Block 5 Step 4
Day 6	Consolidation Reasoning and Problem Solving		Area of any triangle	Spring Block 5 Step 5
Day 7	Area of compound shapes	Spring Block 4 Step 5	Area of a parallelogram	Spring Block 5 Step 6
Day 8	Estimate areas	Spring Block 4 Step 6	Estimate Areas (Recap)	(Use Y5)
Day 9	Cubic centimetres	Summer Block 6 Step 1	What is volume? (Recap)	(Use Y5)
Day 10	Compare volume	Summer Block 6 Step 2	Volume – counting cubes	Spring Block 5 Step 7
Day 11	Estimate volume Estimate capacity	Summer Block 6 Step 3 & 4	Volume of a cuboid	Spring Block 5 Step 8

Y5/6 – Statistics – Total: 8 days (1 week, 3 days)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Draw line graphs	Spring Block 5 Step 1	Line graphs	Spring Block 6 Step 1
Day 2	Read and interpret line graphs	Spring Block 5 Step 2	Read and interpret line graphs (Recap)	(Use Y5)
Day 3	Read and interpret tables	Spring Block 5 Step 3	Read and interpret tables (Recap)	(Use Y5)
Day 4	Two-way tables	Spring Block 5 Step 4	Dual bar charts	Spring Block 6 Step 2
Day 5	Read and interpret timetables	Spring Block 5 Step 5	Read and interpret pie charts	Spring Block 6 Step 3
Day 6	Consolidation Reasoning and Problem Solving		Pie charts with percentages	Spring Block 6 Step 4
Day 7			Draw pie charts	Spring Block 6 Step 5
Day 8			The mean	Spring Block 6 Step 6

Y5/6 – Geometry: Properties of Shape – Total: 12 days (2 weeks, 2 days)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Understand and use degrees	Sum Block 1 Step 1	Understand and use degrees (Recap)	(Use Y5)
Day 2	Classify angles	Sum Block 1 Step 2	Measure and classify angles	Sum Block 1 Step 1
Day 3	Estimate angles	Sum Block 1 Step 3	Calculate angles	Sum Block 1 Step 2
Day 4	Measure angles up to 180°	Sum Block 1 Step 4	Measure angles up to 180° (Recap)	(Use Y5)
Day 5	Draw lines and angles accurately	Sum Block 1 Step 5	Draw lines and angles accurately (Recap)	(Use Y5)
Day 6	Calculate angles around a point	Sum Block 1 Step 6	Vertically opposite angles	Sum Block 1 Step 3
Day 7	Calculate angles on a straight line	Sum Block 1 Step 7	Calculate angles (Recap)	(Use Y5)
Day 8	Lengths and angles in shapes	Sum Block 1 Step 8	Angles in triangles	Sum Block 1 Step 4/5/6
Day 9	Regular and irregular polygons	Sum Block 1 Step 9	Angles in quadrilaterals and polygons	Sum Block 1 Step 7/8
Day 10	3D shapes	Sum Block 1 Step 10	Nets of 3D shapes	Sum Block 1 Step 11
Day 11	Consolidation Reasoning and Problem Solving		Circles	Sum Block 1 Step 9
Day 12	Draw shapes accurately	(Use Y6)	Draw shapes accurately	Sum Block 1 Step 10

Y5/6 – Geometry: Position & Direction – Total: 6 days (1 week, 1 day)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Read and plot coordinates	Sum Block 2 Step 1	The first quadrant and all four quadrants	Sum Block2 Step 1/2
Day 2	Problem solving with coordinates	Sum Block 2 Step 2	Solve problems with coordinates	Sum Block2 Step 3
Day 3	Translation	Sum Block 2 Step 3	Translations	Sum Block2 Step 4
Day 4	Translation with coordinates	Sum Block 2 Step 4	Translation with coordinates (Recap)	(Use Y6 step 4)
Day 5	Lines of symmetry	Sum Block 2 Step 5	Reflections	Sum Block2 Step 5
Day 6	Reflection in horizontal and vertical lines	Sum Block 2 Step 6	Reflections (Consolidation)	(Use Y6 step 5)

Y5/6 – Negative Numbers – Total: 5 days (1 week)

Lesson by lesson overview

	Year 5	WR Unit Block and Step	Year 6	WR Unit Block and Step
Day 1	Understand negative numbers	Summer Block 4 Step 1	SATS	
Day 2	Count through zero in 1s	Summer Block 4 Step 2		
Day 3	Count through zero in multiples	Summer Block 4 Step 3		
Day 4	Compare and order negative numbers	Summer Block 4 Step 4		
Day 5	Find the difference	Summer Block 4 Step 5		