

Year 4

Long Term Plan

2022 -2023



	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	Number Place value				Number Addition and Subtraction			Measurement Area	Number Multiplication and Division A			Consolidation
Spring	Number Multiplication and Division B		Measurement Length and Perimeter		Number Fractions			Number Decimals A				
Summer	Number Decimals B		Measurement Money		Measurement Time		Consolidation	Geometry Shape		Statistics		Geometry Position and Direction

Our maths scheme for Year 1 - 6 follows our own carefully curated progression. Learning is built upon progressively and appropriately for the children's level of experience and readiness to progress. Although a guide for content duration is made, teachers regularly use their own professional judgement to extend, shorten and adapt learning within a unit. Due to this, flexibility is accepted for our maths teaching. Teachers can use additional time throughout the year to revise and recap key learning such as number and place value as well as an emphasis on the use of four operations to ensure these skills are regularly used discreetly as well as within contexts.

Our overviews follow the objectives outlined in the White Rose units and are enhanced through the careful consideration of NCETM resources to ensure our children have opportunity to gain a deeper understanding of the learning taking place. Where NCETM links are not available, teachers are able to use professional judgement on any linked NCETM spines as well as enhancing White Rose learning with additional resources. Children are exposed to learning through collaborative learning lessons, practical lessons, and independent learning.

Sentence stems are used in all units to embed language and vocabulary as well as the tools for children to express their knowledge in problem solving and reasoning. Out of year group White Rose links ensure teachers are clear with previous learning as well as future learning.

AUTUMN

Number: Place Value

NEW VOCABULARY

numbers to ten thousand; Roman numerals to one hundred; round, nearest; approximately; negative, minus, count through zero; tenths, hundredths, 0.25, 0.5, 0.75

White Rose Objective	NCETM link
Represent numbers to 1,000	1.22 – Teaching point 1
Partition numbers to 1,000	1.22 – Teaching point 1
Number line to 1,000	1.22 – Teaching point 1
Thousands	1.22 – Teaching point 1
Represent number to 10,000	1.22 – Teaching point 1
Partition numbers to 10,000	1.22 – Teaching point 1
Flexible partitioning of numbers to 10,000	1.22 – Teaching point 1
Find 1, 10, 100, 1,000 more or less	1.22 – Teaching point 1
Number line to 10,000	1.22 – Teaching point 1
Estimate on a number line to 10,000	1.22 – Teaching point 1
Compare numbers to 10,000	1.22 – Teaching point 3
Order numbers to 10,000	1.22 – Teaching point 3
Roman numerals	
Round to the nearest 10	1.22 – Teaching point 4
Round to the nearest 100	1.22 – Teaching point 4
Round to the nearest 1,000	1.22 – Teaching point 4
Round to the nearest 10, 100 or 1,000	1.22 – Teaching point 4

AUTUMN

Addition & Subtraction

NEW VOCABULARY

formal method

White Rose Objective	NCETM link
Add and subtract 1s, 10s, 100s and 1,000s	1.22 – Teaching point 5
Add up to two 4-digit numbers – no exchange	1.22 – Teaching point 5
Add two 4-digit numbers – one exchange	1.22 – Teaching point 5
Add two 4-digit numbers – more than one exchange	1.22 – Teaching point 5
Subtract two 4-digit numbers – no exchange	1.22 – Teaching point 5
Subtract two 4-digit numbers – one exchange	1.22 – Teaching point 5
Subtract two 4-digit numbers – more than one exchange	1.22 – Teaching point 5
Efficient subtraction	1.22 – Teaching point 5
Estimate answers	1.22 – Teaching point 5
Checking strategies	1.22 – Teaching point 5

AUTUMN

Area

NEW VOCABULARY

Km; rectilinear; area, square centimetres

White Rose Objective	NCETM link
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What is area?	2.16 – Teaching point 4
Count squares	
Make shapes	
Compare areas	

AUTUMN

Multiplication and Division A

NEW VOCABULARY

sixes, sevens, nines; produce, product; associative law; commutativity; factor, factor pair; formal method

White Rose Objective	NCETM link
Multiples of 3	
Multiply and divide by 6	
6 times-table and division facts	
Multiply and divide by 9	
9 times-table and division facts	
The 3,6 and 9 times-tables	
Multiply and divide by 7	
7 times-table and division facts	
11 times-table and division facts	2.11 – Teaching point 1
12 times-table and division facts	
Multiply by 1 and 0	
Divide a number by 1 and itself	
Multiply three numbers	

SPRING

Multiplication and Division B

NEW VOCABULARY

sixes, sevens, nines; produce, product; associative law; commutativity; factor, factor pair; formal method

White Rose Objective	NCETM link
Multiply 3 numbers	2.11 – Teaching point 1
Factor pairs	2.10 – Teaching point 2
Efficient multiplication	2.11 – Teaching point 3
Written methods	2.14 – Teaching point 3
Multiply 2-digits by 1-digit	2.14 – Teaching point 3
Multiply 3-digits by 1-digit	2.14 – Teaching point 4
Divide 2-digits by 1-digit (1)	2.15 – Teaching point 1
Divide 2-digits by 1-digit (2)	2.15 – Teaching point 1
Divide 3-digits by 1-digit	2.13 – Teaching point 3
Correspondence problems	

SPRING

Length and Perimeter

NEW VOCABULARY

Km; rectilinear

White Rose Objective	NCETM link
Kilometres	
Perimeter on a grid	2.16 – Teaching point 1
Perimeter of a rectangle	2.16 – Teaching point 1

Perimeter of rectilinear shapes	2.16 – Teaching point 1
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SPRING	
Fractions	
NEW VOCABULARY	
proper fraction, improper fraction, mixed number; hundredths	
White Rose Objective	NCETM link
What is a fraction?	3.5 – Teaching point 1
Equivalent fractions (1)	
Equivalent fractions (2)	
Fractions greater than 1	3.5 – Teaching point 6
Count in fractions	3.5 – Teaching point 6
Add 2 or more fractions	3.5 – Teaching point 6
Subtract 2 fractions	3.5 – Teaching point 6
Subtract from whole amounts	3.5 – Teaching point 6
Calculate fractions of a quantity	
Problem solving – calculate quantities	

SPRING	
Decimals A	
NEW VOCABULARY	
tenths, hundredths, 0.25, 0.5, 0.75	
White Rose Objective	NCETM link

Recognise tenths and hundredths	1.23 – Teaching point 2 1.24 – Teaching point 1
Tenths as decimals	1.23 – Teaching point 2
Tenths on a place value grid	1.23 – Teaching point 3
Tenths on a number line	1.23 – Teaching point 2
Divide 1-digit by 10	2.13 – Teaching point 2
Divide 2-digits by 10	2.13 – Teaching point 2
Hundredths	1.24 – Teaching point 1
Hundredths as decimals	1.24 – Teaching point 2
Hundredths on a place value grid	1.24 – Teaching point 2
Divide 1 or 2-digits by 100	2.13 – Teaching point 2

SUMMER

Decimals B

NEW VOCABULARY

tenths, hundredths, 0.25, 0.5, 0.75

White Rose Objective	NCETM link
Make a whole	1.24 – Teaching point 3
Write decimals	1.24 – Teaching point 3
Compare decimals	1.24 – Teaching point 2
Order decimals	1.24 – Teaching point 2
Round decimals	1.24 – Teaching point 7
Halves and quarters	1.24 – Teaching point 2

SUMMER

Money

NEW VOCABULARY

White Rose Objective	NCETM link
Pounds and pence	1.25 – Teaching point 1
Ordering money	1.25 – Teaching point 1
Estimating money	1.22 – Teaching point 4
Four operations	

SUMMER

Time

NEW VOCABULARY

White Rose Objective	NCETM link
Hours, minutes and seconds	
Years, months, weeks and days	
Analogue to digital – 12 hour	
Analogue to digital – 24 hour	

SUMMER

Shape

NEW VOCABULARY

isosceles, scalene, equilateral; rhombus, parallelogram, trapezium; regular polygon; mirror line, reflect

White Rose Objective	NCETM link
Identify angles	1.22 – Teaching point 6
Compare and order angles	1.22 – Teaching point 6
Triangles	
Quadrilaterals	
Lines of symmetry	
Complete a symmetric figure	

SUMMER

Statistics

NEW VOCABULARY

continuous data, discrete data; line graph, x-axis, y-axis

White Rose Objective	NCETM link
Interpret charts	
Comparison, sum and difference	
Introducing line graphs	
Line graphs	

SUMMER

Position and Direction

NEW VOCABULARY

coordinates, translation, first quadrant, x-axis, y-axis

White Rose Objective	NCETM link
Describe position	1.22 – Teaching point 6
Draw on a grid	1.22 – Teaching point 6

Move on a grid	1.22 – Teaching point 6
Describe movement on a grid	1.22 – Teaching point 6

