Year 2

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 va	Number Addition and Subtra			btractior	1		Geometry Shape				
Spring	Measureme Money	ent	I MILITIPLICATION AND DIVISION			Measureme Length : Height		Measurement Mass, Capacity and Temperature				
Summer	Number Number Fractions			Geometry Position Directio		Problem Solving		Measureme Time	ent			

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

2-digit; base 10; pattern; sequence; numbers to one hundred, hundreds, partition, recombine, hundred more/less

White Rose Objective	NCETM link
Numbers to 20	
Count objects to 100 by making 10s	
Recognise tens and ones	
Use a place value chart	
Partition number to 100	
Write number to 100 in words	
Flexibly partition numbers to 100	
Write numbers to 100 in expanded form	
10s on the number line to 100	
Estimate numbers on a number line	
Compare objects	
Compare numbers	
Order objects and numbers	
Count in 2s, 5s and 10s	
Count in 3s	2.3 – Teaching point 1

AUTUMN

Addition & Subtraction

NEW VOCABULARY

bar model; operation, inverse operation; column; exchange; bridge; method

White Rose Objective	NCETM link
Bonds to 10	
Fact families- addition and subtraction bonds within 20	1.11 – Teaching point 3
Related facts	1.11 – Teaching point 3
Bonds to 100 (tens)	1.16 – Teaching point 2
Add and subtract 1s	
Add by making 10	
Add three 1-digit numbers	1.11 - Teaching point 2
Add to the next 10	
Add across a 10	1.13 – Teaching point 2 & 3
Subtract across 10	1.13 – Teaching point 2
Subtract from a 10	
Subtract a 1-digit number from a 2-digit number (across 10)	1.13 – Teaching point 2
10 more, 10 less	
Add and subtract 10s	
Add two 2-digit numbers (not across a 10)	1.15 – Teaching point 2
Add two 2-digit numbers (across a 10)	1.15 – Teaching point 2
Subtract two 2-digit numbers (not across a	1.15 – Teaching point 2
10)	1.16 – Teaching point 2
Subtract two 2-digit numbers (across a 10)	1.15 – Teaching point 2

	1.16 – Teaching point 2
Mixed addition and subtraction	
Compare number sentences	1.12 – Teaching point 1
Missing number problems	

AUTUMN

Shape

NEW VOCABULARY

pentagon, hexagon, octagon, quadrilateral; prism; vertices, vertex; rotate; symmetry, symmetrical, line of symmetry; horizontal, vertical; fold; pattern, repeating pattern.

White Rose Objective	NCETM link
Recognise 2D and 3D shapes	
Count sides on 2d shapes	
Count vertices on 2D shapes	
Draw 2D shapes	
Lines of symmetry on shapes	
Use lines of symmetry to complete shapes	
Sort 2D shapes	
Count faces on 3D shapes	
Count edges on 3D shapes	
Count vertices on 3D shapes	
Sort 3D shapes	
Make patterns with 2D and 3D shapes	

SPRING			
Money			
VOCABULARY			
cha	nge		
White Rose Objective	NCETM link		
Count money - pence			
Count money – pounds (notes and coins)			
Count money — notes and coins			
Select money			
Make the same amount			
Compare money			
Find the total			
Find the difference			
Find the change			
Two-step problems			

SPRING

Multiplication and Division

NEW VOCABULARY

times-table; facts; multiples; repeated addition; lots of; of; multiply; multiplied by; times; commutative; twos, fives, tens, threes; array; go into; divide, divide between, division, dividing; grouping, sharing

White Rose Objective	NCETM link
Recognise equal groups	2.2 – Teaching point 1
Make equal groups	2.2 – Teaching point 2

Add equal groups	2.2 – Teaching point 3
Multiplication sentences using the x symbol	2.2 – Teaching point 4
Multiplication sentences from pictures	2.2 – Teaching point 4
Use arrays	2.3 – Teaching point 1
2 times-table	2.3 – Teaching point 2
5 times-table	2.4 – Teaching point 3
10 times-table	2.4 – Teaching point 1
Make equal groups – sharing	2.6 – Teaching point 3
Make equal groups – grouping	2.6 – Teaching point 2
Divide by 2	2.6 – Teaching point 4
Odd & even numbers	
Divide by 5	2.6 – Teaching point 4
Divide by 10	2.6 – Teaching point 4

SPR	ING				
Length and Height					
NEW VOCABULARY					
distance; metres					
White Rose Objective	NCETM link				
Measure length (cm)					
Measure length (m)					
Compare lengths					
Order lengths					
Four operations with lengths					

SPRING

Mass, Capacity and Temperature

NEW VOCABULARY

g/kg; ml/l; temperature, thermometer, degrees Celsius, increase, decrease, warmer, colder

White Rose Objective	NCETM link
Compare mass	
Measure mass in grams	
Measure mass in kilograms	
Compare volume	
Millilitres	
Litres	
Temperature	

SUMMER

Statistics

NEW VOCABULARY

count, tally, tally chart, table; data, represent, sort; pictogram, symbol; block diagram, axis; label, title, scale; most popular, most common, least popular, least common

White Rose Objective	NCETM link
Make tally charts	
Draw pictograms (1-1)	
Interpret pictograms (1-1)	
Draw pictograms (2, 5 and 10)	
Interpret pictograms (2, 5 and 10)	

Block diagrams	
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SUMMER

Fractions

NEW VOCABULARY

two quarters, three quarters, one third, two thirds; unit fraction, numerator, denominator, vinculum; equivalence, equivalent

White Rose Objective	NCETM link
Make equal parts	
Recognise a half	
Find a half	
Recognise a quarter	
Find a quarter	
Recognise a third	
Find a third	
Unit fractions	Year 2 - Point 1
Non-unit fractions	Year 2 - Point 1
Equivalence of 1/2 and 2/4	
Find three quarters	Year 2 – Point 5
Count in fractions	Year 2 – Point 5

SUMMER

Position and Direction

NEW VOCABULARY

direction, forwards, backwards; right angle; rotation, clockwise, anticlockwise	
White Rose Objective	NCETM link
Describe movement	
Describe turns	
Describe movement and turns	
Making patterns with shapes	

SUMMER Time		
quarter past/to, 5 past, 10 past, twenty to etc, start, duration, end, interval, how long? When did it start /end /finish?, seconds;		
White Rose Objective	NCETM link	
O'clock and half past		
Quarter past and quarter to		
Telling time to 5 minutes		
Hours and days		
Find durations of time		
Compare durations of time		