	Year 3 Mathematics Content Map		
Unit and time	Skill	Reasoning	Problem Solving
	TERM 1		
Place Value (within 1000) 4 weeks Begin with numbers to 200 and then use this knowledge to apply to larger numbers White Rose NCETM unit 1.17 (be careful here as you need to ensure you only cover the skills for	 Count from 0 in multiples of 50 and 100; find 10 or 100 more or less than a given number Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Compare and order numbers up to 1000 (link to measure) Identify, represent and estimate numbers using different representations (include scales of 1, 2, 3, 5, 10, 50 and 100) Read and write numbers up to 1000 in numerals and in words Solve number problems and practical problems involving these ideas (link to money/ measure) 	What's the same, what's different? True/ false Continue the pattern	
Addition and Subtraction (mental calculation only) 2 weeks White Rose (steps 1 -10) NCETM unit 1.17 Measure (anales)	 Add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds Focus on the mental maths curriculum here Recognise angles as a property of shape or a description of a turn 	Fact families/ What else do you know? Missing number Convince me	
1 week White Rose (steps 1-4 only) NCETM unit 3	 Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle 		
	TERM 2		
Addition 2 weeks <i>Review last terms</i> + and - White Rose NCETM unit 1.20	 Add numbers with up to three digits, using formal written methods of columnar addition and subtraction Solve problems, including missing number problems, using number facts, place value, and more complex addition 	Spot the mistake/ true or false Convince me	Exploring and noticing
Subtraction 1 week White Rose	 Subtract numbers with up to three digits, using formal written methods of columnar subtraction Solve problems, including missing number problems, using number facts, place value, and more complex subtraction. 	Spot the mistake/ true or false Convince me	

NCETM unit 1.21			
Addition and	• Estimate the answer to a calculation and use	Make an estimate	
Subtraction	inverse operations to check answers		
Combine all + and	 Solve problems including missing number 	What's the missina	
— learning	problems, using number facts, place value, and	number?	
together	problems, using number facts, place value, and	number:	
	more complex addition and subtraction.		
1 week			
	Focus on the mental maths curriculum here		
White Rose (steps			
19-22)			
Multiplication	 Count from 0 in multiples of 4 and 8 	What's the missing	
and division	• Recall and use multiplication and division facts for	number?	
	the 3, 4 and 8 multiplication tables (recap 2, 5 and		
3 weeks	10 and make links with 2, 4 and 8 multiplication facts)	True/ false	
White Rose block		Alwaus sometimes	
A		Always, sometimes,	
NCETM unit 2.7		never	
	TERM 3		
Multiplication	 Count from 0 in multiples of 4 and 8 	The answer is	
and division	 Recall and use multiplication and division facts for the 	what's the guestion	Working
(continuation from	3 4 and 8 multiplication tables (recar 2.5 and 10 and	۴ 	sustematicall
term 2)	make links with 2, 4 and 8 multiplication facts)		u
			9
1 week			
I WCCK			
1 Week			
White Rose block			
White Rose block			
White Rose block A NCETM unit 2.7			
White Rose block A NCETM unit 2.7 Multiplication	Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables)	Missing numbers	
White Rose block A NCETM unit 2.7 Multiplication and division	Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables)	Missing numbers	
White Rose block A NCETM unit 2.7 Multiplication and division	Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables)	Missing numbers Fact families	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication 	Missing numbers Fact families	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	Missing numbers Fact families Make an estimate	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	Missing numbers Fact families Make an estimate Visualising	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	Missing numbers Fact families Make an estimate Visualising	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Recap angles when discussing shapes Draw 2-D shapes and make 3-D shapes using 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Recap angles when discussing shapes Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Praw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and NCETM unit 10	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Recap angles when discussing shapes Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Identify horizontal and vertical lines and pairs of 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and NCETM unit 10 (parallel and	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Recap angles when discussing shapes Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and NCETM unit 10 (parallel and perpendicular sides in polyagore)	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects <i>Recap angles when discussing shapes</i> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and NCETM unit 10 (parallel and perpendicular sides in polygons)	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects <i>Recap angles when discussing shapes</i> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	Missing numbers Fact families Make an estimate Visualising Other possibilities	
White Rose block A NCETM unit 2.7 Multiplication and division 3 week White Rose block B Shape 2 week White Rose and NCETM unit 10 (parallel and perpendicular sides in polygons)	 Focus on fluency with the above here (problems should include the 2, 4, 5, 8 and 10 times tables) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Recap angles when discussing shapes Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	Missing numbers Fact families Make an estimate Visualising Other possibilities	

	TERM 4 – 6 weeks		
Fractions (unit only) 4 ½ weeks White Rose unit A and B (unit fractions only) and NCETM unit 8 Measure: Money 1 ½ weeks White Rose	 Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 Recognise, find and write fractions of a discrete set of objects: unit fractions Recognise and use fractions as numbers: unit fractions Compare and order unit fractions Solve problems that involve all of the above add and subtract amounts of money to give change, using both £ and p in practical contexts <i>Recap addition and subtraction</i> 	Continue the pattern What do you notice? True or false? Find all the possibilities	Visualising
	TERM 5 - 4 ½ weeks		
Statistics 1 week White Rose Fractions (non-unit) 3 ½ weeks White Rose unit A and B (non-unit fractions and NCETM unit 9	 Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables (include time) Recap unit fractions Recognise, find and write fractions of a discrete set of objects: non-unit fractions with small denominators Recognise and use fractions as numbers: non-unit fractions with small denominators Recognise and show, using diagrams, equivalent fractions with small denominators Add and subtract fractions with the same denominator within one whole [for example, ⁵/₇ + ¹/₇ = ⁶/₇] Compare and order unit fractions, and fractions with the same denominators Solve problems that involve all of the above 	What's the same, what's different? True or false? Odd one out Continue the pattern What do you notice?	Conjecturing and generalising
	TERM 6 – 6 weeks		
Measure: time 2 weeks White Rose and NCETM unit 11	 Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as 	What do you notice? The answer is what's the question?	Reasoning and convincing

	o'clock, am/pm, morning, afternoon, noon and midnight • Know the number of seconds in a minute and the number of days in each month, year and leap year • Compare durations of events [for example, to calculate the time taken by particular events or tasks]	
Measure: length and perimeter 2 weeks ^{White Rose}	 <i>Recap shape</i> Measure, compare, add and subtract: lengths (m/cm/mm) Measure the perimeter of simple 2-D shapes 	Do, then explain Review all
Measure: mass and capacity 2 weeks White Rose	 Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml) 	Review all