Subject: Maths Working at Y3	**COMPONENT**	***Notes:** Why are you delivering this topic at this time of year?*
Autumn 1	**<u>Place Value</u>** Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000 Flexible partitioning of numbers to 1,000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimate on a number line to 1,000 Compare numbers to 1,000 Order numbers to 1,000 Count in 50s End of block assessment **<u>Addition and Subtraction</u>** Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s	White Rose scheme is streamed across the Primary. This sets out components designed to overlap throughout learning which are effectively sequenced allowing time for consolidation and intervention. Components are structured in line with the national curriculum, with each *'small step'* highlighting a curriculum target.

	Spot the pattern Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100)	
Autumn 2	**<u>Addition and Subtraction</u>** Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations Make decisions End of block assessment	

	Multiplication and division Multiplication - equal groups Arrays Multiples: 2,3,4,5,8,10 and times tables Sharing and grouping	
Spring 1	**Multiplication and division** Division: 2,3,4,5,8,10 End block assessment **Length and Perimeter** Measure: metres, millimetres, centimetres Using both together Equivalent lengths Compare lengths Add and subtract length Understand, measure and calculate perimeter	
Spring 2	**Fractions** Understand the denominators of unit fractions Compare and order unit fractions Understand the numerators of non-unit fractions Understand the whole Compare and order non-unit fractions Fractions and scales Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line	

	Equivalent fractions as bar models End of block assessment **<u>Mass and capacity</u>** Use scales Measure mass in grams, kilograms and grams Equivalent masses (kilograms and grams) Compare mass Add and subtract mass Measure capacity and volume in millilitres Measure capacity and volume in litres and millilitres Equivalent capacities and volumes (litres and millilitres) Compare capacity and volume Add and subtract capacity and volume End of block assessment	
Summer 1	**<u>Fractions</u>** Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects	

	Reasoning with fractions of an amount End of block assessment **Money** Pounds and pence Convert pounds and pence Add money Subtract money Find change End of block assessment **Time** Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use a.m. and p.m. Years, months and days Days and hours Hours and minutes - use start and end times Hours and minutes - use durations Minutes and seconds Units of time Solve problems with time	

	End of block assessment	
Summer 2	**<u>Shape</u>** Turns and angles Right angles Compare angles Measure and draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2-D shapes Draw polygons Recognise and describe 3-D shapes Make 3-D shapes End of block assessment **<u>Statistics</u>** Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect and represent data Two-way tables	

	End of block assessment	