Our Lady & St John's

Mental Maths Non-Negotiables Ladder

These targets should be worked on in each term. Any child who has gaps in their learning should be picked up by the precision teaching or through planning. Children should be extended in each strand through practical examples or different examples to embed knowledge if they are secure of the basic concept. We will pre-test in autumn and post-test in summer.

Term	Mental Maths Strand **Year Three**	Beginning (Initials)	Developing (numbers)	Secure (Initials)
Autumn	Use place value and number facts to add and subtract numbers			
	Subtract by counting up			
	Learn to count in 3's and 4's and know the 3x and 4x table.			
	Add and subtract any two digit numbers by counting on in 10s and 1s or by using partitioning			
	Perform place value subtractions without a struggle (536-30=506)			
	Know multiples of 10 with a total of 100			
	Know pairs with each total to 20			
	Know all number bonds for each number to 20.			
	Know multiplication and division facts for 5x table and 10x table			
Spring	Find 10 or 100 more/less than a given number. Count on in 50's from 0			
	Tell the time to the nearest minute using 12 and 24 hour clocks, know the number of days in a month.			
	Subtract, when appropriate, by counting back or taking away, using place value and number facts			
	Learn to count in 9's and 8's and begin to learn 9x and 8x table			
	Add and subtract pairs of 'friendly' 3 digit numbers, e.g. 230 +450			
	Know multiplication and division facts for 2x and 4x table			
	Know doubles and halves of **All** whole numbers to 20. All multiples of 10 to 500 All multiples of 100 to 5000			

Look SMART
Work and Play SMART
Be SMART

Summer	Recognise fractions that add to 1. (e.g. ¼ +3/4)			
	Halve even numbers up to 100, halve add numbers to 20.			
	Double numbers up to 50			
	Partition teen numbers to multiply by a single digit number (3 x 14 as 3 x10 and (3x4)			
	Begin to learn to count in 6's, 7's and 8's. Begin to know the 6x, 7x and 8x tables			
	Know all addition and subtraction facts for Multiples of 100 to 1000. Multiples of 5 with a total of 100 Number pairs that total 100			
	Know all multiplication and division facts for 3x, 6x and 9x table			