Maths Long Term Plan – Year Two

Place Value					
Y1 small steps	**WR and NCTEM documents**		**Y2 small steps**	**2020-2021 Y2 Ready to progress criteria**	**WR and NCTEM documents**
Place Value to 20		1AS–1 Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers. 1NPV–2 Reason about the location of numbers to 20 within the linear number system		2NPV–1 Recognise the place value of each digit in two-digit numbers, and compose and decompose two digit numbers using standard and nonstandard partitioning. 2NPV–2 Reason about the location of any two digit number in the linear number system, including identifying the previous and next multiple of 10	NCTEM 1.10 Composition of numbers:11-19
Counting to 100			Count objects to 100 Read and write numbers in numerals and words		
Recognise value of 10, Value of multiples of 10 Count in 10s	NCTEM 1.8 WR Y1 Spring block 2 Place Value to 50				
Value of 20 -100	NCTEM 1.9 WR Y1 Spring block 2 Place Value to 50		Represent numbers to 100 Value of each digit		NCTEM 1.8 composition of numbers multiples of 10 up to 100 NCTEM 1.9 composition of numbers: 20 – 100 WR Y2 Aut block 1 Place value to 100
Combining tens and ones			Tens and ones with a part whole model TP5 Tens and ones using addition Use a place value chart Different representations of numbers Partitioning into different combinations of 10s and 1s		
One more/less one more one less over boundaries	WR Y1 Summer block 4 Place Value to 100		*10 more/10 less* *Add and subtract 10s*		

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			Estimating and representing on a number line		
Comparing numbers Order numbers Order numbers on a number line			Compare objects Compare numbers (use symbols)		
Count in 2s 5s	2.1 (TP1, TP2, TP3)		Count in 2s, 5s and 10s ongoing throughout		
			Count in 3s		

Money					
Y1 small steps Money	WR and NCTEM documents	2020-2021 Ready to progress criteria	Y2 small steps Money		**WR and NCTEM documents**
Recognising coins	2.1 (TP1, TP2, TP3) Y1 Summer block 5 Money		Count money – pence		Y2 Aut block 3 measurement money
Recognising notes			Count money – pounds (notes and coins)		
Counting in coins			Count money – notes and coins		
Simple problems involving money			Select money		
			Make the same amount		
			Compare money		
			Find the total		1.12 Subtraction as difference
			Find the difference		
			Find change		
			Two-step problems		

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Shape					
Y1 small steps	WR and NCTEM documents	2020-2021 Y1 Ready to progress criteria	Y2 small steps	2020-2021 Y2 Ready to progress criteria	WR and NCTEM documents
Name and sort 3D shapes, Name and sort 2D shape Solving problems, continue patterns **Steps covered in year 1 during 2021 partial school closure**		1G–1 Recognise common 2D + 3D shapes presented in different orientations, know that rectangles, triangles, cuboids and pyramids are not always similar to one another. 1G–2 Compose 2D + 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations	Recognise 2D and 3D shapes Count sides on 2D shapes Count vertices on 2D shapes Draw 2D shapes Lines of symmetry Sort 2D shapes Make patterns with 2D shapes Count faces on 3D shapes Count edges on 3D shapes Count vertices on 3D shapes Sort 3D shapes Make patterns with 3D shapes	2G–1 Use precise language to describe the properties of 2D and 3D shapes, and compare shapes by reasoning about similarities and differences in properties.	WR – Spring block 3

Addition and subtraction					
Y1 small steps	WR and NCTEM documents	2020-2021 Y1 Ready to progress criteria	Y2 small steps	2020-2021 Y2 Ready to progress criteria	WR and NCTEM documents
Steps covered in year 1		1NF–1 Develop fluency in addition and subtraction facts within 10 1AS–2 Read, write and interpret equations	Fact families – Addition/subtraction bonds to 20 Check calculations Compare number sentences	2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice.	1.11. TP 1,2,3,4 - Addition of 3 addends TP 5 - Adding by bridging through ten

		containing addition, subtraction and equal symbols, and relate additive expressions and equations to real-life contexts.		2AS–1 Add and subtract across 10, 2AS–2 Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more…?". 2AS–3 Add and subtract within 100 by applying related 1 digit addition + subtraction facts: add and subtract only ones or only tens to/from a two-digit number 2AS–3 Add and subtract within 100 by applying related one digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number	
			Related facts		TP 6 - Subtracting by bridging through 10 1.12 Subtraction as difference
			Bonds to 100 (tens)		
			Add and subtract 1s		
			10 more/10 less Add and subtract 10s (1.14 addition of 2 digit numbers and multiple of 10)		1.14 addition of 2 digit numbers and multiple of 10
			Add three 1 digit numbers (under10) Add three 1 digit numbers (to make 10 first)		1.13 addition and subtraction of single digit numbers
			Add and subtract bridging through 10		
			TO + O –crossing ten		
			TO – O – crossing ten		
			TO + TO – not crossing TO + TO – crossing		1.15 addition of 2 two digit numbers
			TO - TO – not crossing TO - TO – crossing		1.16 subtraction of 2 two digit no.s
			Subtraction as difference		
			Bonds to 100 (tens and ones)		

Multiplication and division					
Y1 small steps	WR and NCTEM documents	2020-2021 Y1 Ready to progress criteria	Y2 small steps	2020-2021 Y2 Ready to progress criteria	WR and NCTEM documents
Count in 2s 5s and 10s	2.1 (Y2) 2.2	1NF–2 Count forwards and backwards in	Recognise equal groups Make equal groups Add equal groups		Y2 Aut block 4 Multiplication and division

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Equal and unequal groups Adding equal groups	Y1 Summer block 1 Multiplication and division	multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers	Multiplication sentences using the x symbol Multiplication sentences using pictures	2MD–1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables. 2MD–2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division).	2.2 equal groups 2.3 times table 2 2.4 times table 5, 10
Make arrays			Use arrays		
			2 times-tables 5 times-table 10 times-table		
Make equal groups - grouping			Make equal groups – sharing Make equal groups - grouping		Y2 Spring block 1 Multiplication and division 2.6 division 2.5 doubling and halving
Make equal groups - sharing			Use arrays		
doubles and halves	1.7 TP9		Divide by 2 Odd and even numbers		
			Divide by 5 and 10		

Fractions					
Y1 small steps	WR and NCTEM documents	2020-2021 Y1 Ready to progress criteria	Y2 small steps	2020-2021 Y2 Ready to progress criteria	WR and NCTEM documents
			Make equal parts		Spring Block 3
Half of shape			Recognise a half		

Half of quantity	Y1 Summer block 2 Fractions		Find a half		NCTEM – Fractions Year 2
Quarter of shape			Recognise a quarter Find a quarter		
Quarter of quantity					
			Recognise a third Find a third		
			Unit fractions Non-unit fraction		
			Equivalence of ½ and 2/4		
			Find ¾		
			Count in fractions		

Statistics					
Y1 small steps	**WR and NCTEM documents**	**2020-2021 Ready to progress criteria**	**Y2 small steps**		**WR and NCTEM documents**
			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		

Time					
Y1 small steps	**WR and NCTEM documents**	**2020-2021 Y1 Ready to progress criteria**	**Y2 small steps**	**2020-2021 Y2 Ready to progress criteria**	**WR and NCTEM documents**

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Before and after			O'clock and half past		
dates			Quarter past and quarter to		
Recognise o'clock Write o'clock			Telling time to 5 minutes		
Recognise half past Write half past			Minutes in an hour, hours in a day		

Measures				
Length and height	Measure length (cm) Measure length (m)		Y2 Spring block 5 Measurement – length and height	
	Compare lengths	1.1		
	Order lengths			
	Four operations with lengths			
Position and direction	Describing movement Describing turns Describing movement and turns Making patterns with shapes		Y2 Summer block 1 Position and direction	
Problem solving with efficient methods	Use reasoning and problem solving questions and daily challenges resource bank questions.		(no block 2)	
Weight/mass and capacity	Compare mass	1.1	Y2 Summer block 4 Measurement – weight and capacity	
	Measure mass in grams Measure mass in kilograms			
	Compare capacity			
	Millilitres Litres			
	Temperature			