WOOLER

Wooler First School

Maths Progress Model for Knowledge and Skills

PST SCHOOL	Links to KS1 curriculum	Expec	tations for Rec (4-5 yrs)	eption	Exped (3-4 yrs)	tations for Nur (sery 2-3 yrs)
Number - Counting		Rote count to 20 and beyond	Rote count beyond 10	Rote count to 10	Rote count beyond 5	Rote count beyond 3	Says number names in play
	Count to and across	Count backwards from		10	Count backwards from 5	Count backwards from 3	Says number names
	100, forwards and backwards, beginning with 0 or 1 or from any given number	Count objects to 10+ accurately		Count objects to 5+ Understands that the last number tells you how many there are		Counts objects to 3 accurately	Uses number names while pointing at objects (no 1:1 correspondence)
		Count actions/sounds to 10+		Count actions/sounds to 5+	Count actions/sounds to 3+		
		8		Subitise Subitise (to 5) (to 3)			Subitise (to 1)
Begin to recognise place value in numbers beyond 20		Link numerals and an	nounts to 10+	Link numerals and amounts to 5+	Links numerals and amounts to 5	Link numerals and amounts to 3 Recognises some numbers	
Recognition	Identify and represent numbers using objects and pictorial representations including the number line	Orders numbers to 10		Orders nu	umbers to 5	Orders numbers to 3	

Number Sense	Identify and represent numbers using objects and pictorial representations including the number line Represent and use number bonds		Partitions sets of objects using a part-part whole model, exploring composition to 5 a ten frame is full there one row is complete the		Knows that when a five frame is full there are 5 objects and when empty there are 0		
Number - Graphics	Read and write numbers from 1 to 20 in numerals (and words)	Can write n	umbers 1-10 Is able to writ		Experiments with their own symbols and marks, as well as numerals. Is able to write numbers of personal significance.		
	Use the language of: equal to, more than, less than (fewer), most, least	Children understand the difference between quantity and size		sing 'more than', 'less er' 'equal to'	Compares quantities using 'more', 'fewer/less' and 'the same'		
	Given a number, identify one more or one less	Children can find 1 more than and 1 less than	Children can find 1 less than	Children can find 1 more than			
Calculating	Add and subtract one- digit and two-digit numbers to 20, including zero		addition is the combinids that subtraction is		Combines amounts and knows that they have 'more' Takes some away and knows that they have 'less'		
	Solve one-step problems that involve addition and subtraction				thematical problems in numbers to 5 Solves real world mathematical problems in context with numbers to 5		

Cup oti p u o	Recognise, find and name a half as one of two equal parts of an object, shape or	Understands that halving is sharing into two equal parts			Children 'share' items by giving items to their friends or teachers		
Fractions	quantity Compare, describe and solve practical problems for double/half	Understands that doubling is adding the same number to itself					
Shape	Pupils should be taught to recognise and name common 2-D shapes, including rectangles (including squares), circles and triangles	Explores how many corners and sides Le hoginning to for circle, triangle		Combines shapes to make pictures Beginning to know names of shapes e.g. circle triangle			
эпаре	Pupils should be taught to recognise and name common 3-D shapes, including cuboids (including cubes), pyramids and spheres	Is beginning to recognise and name 3D shapes during play and can select and rotate shapes for purpose.		Knows the of some 3D shapes e.g cube, cylinder, cone	Explores which shapes will roll and which will slide and is beginning to explain why using the vocabulary 'curved' and 'flat'	Experiences play and building activities with a variety of 3D shapes	
		Continue, copy and patterns		Continue, copy or notices error in repeated patterns (AB)	Creates repeated patterns with shape or colour (AB)	Can sort items by their colour or pattern	s to make pictures names of shapes e.g. triangle
space	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	Uses the vocabulary 'in-between', 'ove			Can follow an instruction using positional language	Uses the vocabulary 'in', 'on', 'under', 'behind', 'next to'	vocabulary of
			Describes a familiar route using direction 'forwards', 'backwards', 'right' an		Describes a familiar route with basic directional language – 'around', 'this way', 'that way' and understands position through words		

	Compare, describe and solve practical problems for lengths and heights	Can order and compare items by length/ neight using non-			Make simple comparisons using 'bigger' and 'smaller', 'shorter' and 'taller'	Uses 'big' and 'small', 'short' and 'tall to compare size		
	Compare, describe and solve practical problems for mass/weight	Can order and compare items by weight using non-standard measures Uses 'heaviest', 'lightest'			Make simple comparisons using 'heavier' and 'lighter'	Uses 'heavy' and 'light'		
	Compare, describe and solve practical problems for capacity and volume	Can order and compare items by capacity using non-standard			Make simple comparisons using 'more' and 'less'		mpty' to compare acity	
measurement	Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	Children can use language before, after, yesterday, today, tomorrow	Children can identify if it takes a shorter or longer time to do something	Children can talk about significant times of the day, home time, lunch time etc and then sequence them	Begins to describe sequences of events understandard under		Begins to understand the vocabulary 'first', 'last' and 'soon'	
	Recognise and use language relating to dates, including days of the week, weeks, months and years	Can tell you which day comes before/after a given day	Says the days of	the week in order	Knows s	Knows some of the days of the week		
	Recognise and know the value of different denominations of coins and notes	Can pay for items using 1p coins	Recognises that there are different coins	Talks about the different ways we can pay for things		Understands that we need to pay for items in a shop and can talk about what they would like to buy		