Dereham Church Infant and Nursery School- Mathematics

rsfoot -	Year group: 2	Area/topic: Mathematics- place value
E Church Intall and Nurse	Read and write numbers from 1 to 20 in numerals and words (YI)	
Salar Con	Read and write numbers to at least 100 in numerals and in words	
	Identify, represent and estimate numbers using different representations, including the	
UTTY	number line	
	Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and	
	backward	
	Recognise the place value of each digit in a	2-digit number (tens, ones)
	Compare and order numbers from 0 up to 1	00; use <, > and = signs
		-

Prior learning	Future learning
Children will have developed a number sense throughout the EYFS. They will then have studied place value within 10, within 20 and within 50 when in Year one.	This learning and skills will be used and applied throughout all future mathematical areas.

What pupils need to know or do to be secure		
Key knowledge and skills	Possible evidence	
Consolidate knowledge of numbers to 20	Completed number tracks	
Count objects to 100 by making groups of 10.	Use of tens frames/bundles of straws	
Recognise and identify 10s and ones	Solve a range of problems	
To use a place value chart	Correctly matching place value charts	
Partition numbers to 100	to dienes	

Write numbers to 100 in words	Complete part whole models
Flexibly partition numbers to 100	Complete part whole models in 4
Write numbers to 100 in the expanded form	different ways for the same number
Using 10s on a numberline to 100	Complete number lines successfully
To estimate numbers on a numberline	Correctly label a range of numberlines
Compare objects to 100	Identify if statements are true or false
Compare numbers	Use the symbols < > = to complete
Order objects and numbers	accurate statements
Count in 2s, 5s and 10s	Accurately reason why statements are
Count in 3s	correct/incorrect
Key vocabulary Numeral, represent, digit, partition, interval, value, equal to, greater than, less than	Books linking to this area
Numbers such as 11, 12, 13 and 15 can often be sticking poir	
for children as the word does not make specific reference to .	Ŭ
rumber of ones as it does later in the number system.	
• Children may write, for example, 12 as "ten-two" in words	Bean thirteen by Matthew McElligott
rather than "twelve".	
• Children may mix up the tens and ones digits when writing	2- One is a snail and ten is a crab
digit numbers.	, by April Sayre

Children may try to count only in ones rather than making bundles of 1, which is less efficient and is more likely to result in basic counting errors. •Children may find it harder to make numbers that have been said out loud, for example being told thirty five rather than seeing 35 written. Children may partition a number into its digits rather than considering the value of each digit, for example stating that 32 is made up of 3 and 2 When counting in 10s starting from a number such as 13, children may jump to the next multiple of 10 and then keep counting in 10s. • Children may confuse the multiples they are counting in, for example starting to count in 5s, then changing to count in 10s once they reach a multiple of 10	
Memorable first hand experiences	Opportunities for communication
Using a range of manipulatives	Ask key questions and discuss Use possible sentence stems provided by white Rose

DCINS Reasonable adjustments for pupils with SEND

Communication and Interaction	Cognition and Learning	
Use a range of visual aids	Check understanding regularly	
Give clear instructions one at a time	Allow rest breaks	
Repetition	Give thinking time	
Provide simple instructions Pre teach vocabulary	Colour code signs that could be confusing Work checklists	
Use working wall where modelling is displayed	Break down tasks into small steps	
Give children thinking time Model task	Give opportunities for over-learning	
Social, Emotional and Mental health	Sensory and Physical	
Allow access to a quiet and calm space	Consider carpet space position	
Give child a special role to increase self esteem	Reduce background noise	
Provide a visual support-what to do if you are	Provide a range of manipulatives- dienes may be	
stuck	too small	
Provide a movement break	Appropriate seating	
Seat pupil by more confident peer	Wobble boards	
Now and next board	Writing slope	
Sand timers	Enlarge text	
Managetha	Variety of writing tools available	
Movement breaks		