## Dereham Church Infant and Nursery School- Mathematics

rch Infant and AL	Year group: 2	Area/topic: Mathematics- multiplication and
	Calculate mathematical statements for multip tables and write them using the multiplication Show that multiplication of two numbers co division of one number by another cannot Recall and use multiplication and division f including recognising odd and even number	Lication and division within the multiplication on (×), division (÷) and equals (=) signs on be done in any order (commutative) and Cacts for the 2, 5 and 10 multiplication tables, s

Prior learning	Future learning
During maths meetings children will have had the opportunity to practise counting in multiples of 2,	This multiplication and division knowledge shall be applied to solve further complex problems and
5, 10 and most recently 3.	within the fractions block
Whilst in year one children completed a block on	
multiplication and division where they worked	
practically to solve problems with the support of	
their teacher	

What pupils need to know or do to be secure				
Key knowledge and skills	Possible evidence			
Recognise equal groups	Identify from a selection of pictures			
Make equal groups	Successfully arrange counters			
Add equal groups	Write a number sentence that matches a picture and solve			
Introduce the multiplication symbol	it			
Multiplication sentences	Write a number sentence to the corresponding picture			

Use arrays	Answer auestions about a given array		
Make equal groups- grouping	Photo of physically movina & arouping counters		
Make equal groups- sharing	Opportunity to physic	ally share using cubes	
The 2 times-table	Complete number tracks successfully		
Divide by 2	Solve word problem		
Doubling and halving	Correctly identify a picture demonstrating doubling		
Odd and even numbers	Label runicor pieces as odd and ever		
The 10 times-table	Completed numberlines		
Divide by 10	Word problems		
The 5 times-table	Completed bar models		
Divide by 5	Use arrays successfully		
The 5 and 10 times-tables	Identify on a 100 square		
Key vocabulary			
Equal, unequal, altogether, groups,			
repeated addition, multiplication, lots of,			
rows, columns, array, division, divided			
by, double, halve,			
Common misconceptions		Books linking to this area	
Children may not be able to spot equal and	d unequal groups.	The digits- odd vs evens by Tony	
Children may try to find the total instead c	Bradman		
ir each group.			
Children may not realise that two groups c	The Digits-double the fun by Tony		
not look the same.	Bradman		
When given a picture of incomplete groups,			
difficult to complete it to show a set numb			
Children may represent a set of equal grou			
example 2 groups of 4 instead of 4 group			

Children may not make the link between repeated addition and	
multiplication	
Children may make mistakes when drawing arrays. For example,	
children may leave a hole in their array, and so not represent	
the multiplication correctly	
Children may think that as multiplication is commutative,	
division must be too	
Children may not make the connection between doubling and	
halving and the 2 times-table	
Memorable first hand experiences	Opportunities for communication
Opportunities to explore with manipulatives and resources	Completing sentence stems provided
	by White Rose
	Reasoning their ideas and thinking

## DCINS Reasonable adjustments for pupils with SEND

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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	Colour code signs that could be confusing	
Pre teach vocabulary	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	
Movement breaks	Variety of writing tools available	
Break down tasks into small steps		