Multiplication KS1

EYFS	Reception: ELG 2021			
	 Have an understanding of number to 10, linking names of numbers, numerals, their value, and their position in the counting order. 			
	 Subitise (recognise quantities without counting) up to 5. 			
	 Automatically recall number bonds for numbers 0-5 and for 10, including corresponding partitioning facts. 			
	Automatically recall double facts up 5+5			
	 Compare sets of objects up to 10 in different contexts, considering size and difference 			
	 Explore patterns of numbers within numbers up to 10, including evens and odds. 			
	Explore patterns of manuscrs we to 10, moraling evens and odds.			
Year	1		2	
Layers of	Basic to subject specific (Beck's Tiers):		Basic to subject specific (Beck's Tiers):	
vocabulary	count in ones, twos tens		lots of, groups of ×, times, multiply, multiplied by multiple of once, twice, three times	
Ter 3	array, groups of, equal groups		ten times times as (big, long, wide and so on) repeated addition array row, column	
Subserver president voca estate voca estat	odd, even		double, halve share, share equally	
Her 3 Built words				
Appendix 1a	Instructional vocabulary:		Instructional vocabulary:	
Beck's Tiers	carry on, continue repeat what comes next?		carry on, continue, repeat, what comes next? predict describe the pattern describe the	
of	find, choose, collect		rule	
Vocabulary	use, make, build		find, find all, find different, investigate	
Appendix	tell me, describe, pick out, talk about, explain, show me,			
1b:	read, write, record		NFER Arithmetic	
Vocabulary				
book	NFER Arithmetic			
NC 2014	Solve one-step problems involving multiplication and division, by		Calculate mathematical statements for multiplication and division within the	
	calculating the answer using concrete objects, pictorial		multiplication tables and write them using the multiplication (x), division (÷) and equals	
	representations and arrays with the support of the teacher.		(=) signs.	
	Concrete, pictorial, abstract		Concrete, pictorial, abstract	
Davidanian	Grouping	Arrays (rectangular arrangements to show	Repeated addition and skip counting	Commutativity
Developing declarative,		equal groups)	••••••	5×2=10
procedural,			0 2 4 6 8 10 12 24	2×5 = 10
and	2 frogs on each lily pad			
conditional knowledge				2×5=10
		14 14 10 O	+2 +2 +2	
	2 4 6 8		0 1 2 3 4 5 6	5×2=10
	There are 5 hedgehogs in each group. How many hedgehogs are there altogether?	NO N	Introduce the x symbol once repeated addition is	5 x2 = 2 x 5
	*		understood.	

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