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EYFS Development Matters (DM) Objectives & NC Objectives

Key concepts that create solid foundations in EYFS to build upon for the NC Objectives

NC Objective appears elsewhere within the same topic progression document

		NUMBER BONDS					
EYFS	ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
explore the	automatically	represent and use	recall and use addition				
composition	recall (without	number bonds and	and subtraction facts				
of numbers to	reference to	related subtraction	to 20 fluently, and				
10	rhymes,	facts within 20	derive and use related				
	counting or		facts up to 100				
automatically	other aids)						
recall number	number bonds						
bonds for	up to 5						
numbers 0-10	(including						
	subtraction facts) and						
begin to	some numbers						
understand	bonds to 10						
the operations	including						
of addition	double facts						
and							
subtraction							
and use							
associated							
vocabulary							
begin to							
understand							
mathematical							
symbols							
associated							
with addition							
and							
subtraction							

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MENTAL CALCULATION							
subitise	subitise up to 5	add and subtract	add and subtract	add and subtract		add and subtract	perform mental
		one-digit and two-	numbers using	numbers mentally,		numbers mentally	calculations,
automatically	automatically	digit numbers to 20,	concrete objects,	including:		with increasingly	including with mixed
recall number	recall	including zero	pictorial	* a three-digit		large numbers	operations and large
bonds for	number bonds		representations, and	number and			numbers
numbers 0 – 10	up to 5		mentally, including:	ones			
	and some		 a two-digit number 	* a three-digit			
understand	number bonds		and ones	number and			
and recall	up to 10		 a two-digit number 	tens			
doubling facts	including		and tens	* a three-digit			
up to 10.	double facts		* two two-digit	number and			
			numbers	hundreds			
			 adding three one- 				
			digit numbers				
		read, write and	show that addition of				use their knowledge
		interpret	two numbers can be				of the order of
		mathematical	done in any order				operations to carry
		statements involving	(commutative) and				out calculations
		addition (+),	subtraction of one				involving the four
		subtraction (-) and	number from another				operations
		equals (=) signs	cannot				
		(appears also in					
		Written Methods)					

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			WRIT	TEN METHODS			
EYFS	ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
become familiar with and understand mathematical symbols linked to addition and subtraction begin to represent mathematical sentences with appropriate symbols		read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Mental Calculation)		add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	
		INV	ERSE OPERATIONS, EST	IMATING AND CHECK	ING ANSWERS		·
			recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	estimate the answer to a calculation and use inverse operations to check answers	estimate and use inverse operations to check answers to a calculation	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.

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PROBLEM SOLVING							
EYFS ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \Box - 9$	 solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change (NC objective in Measurement) 	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	solve addition and subtraction two- step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi- step problems in contexts, deciding which operations and methods to use and why	Solve problems involving addition, subtraction multi- step problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division	