

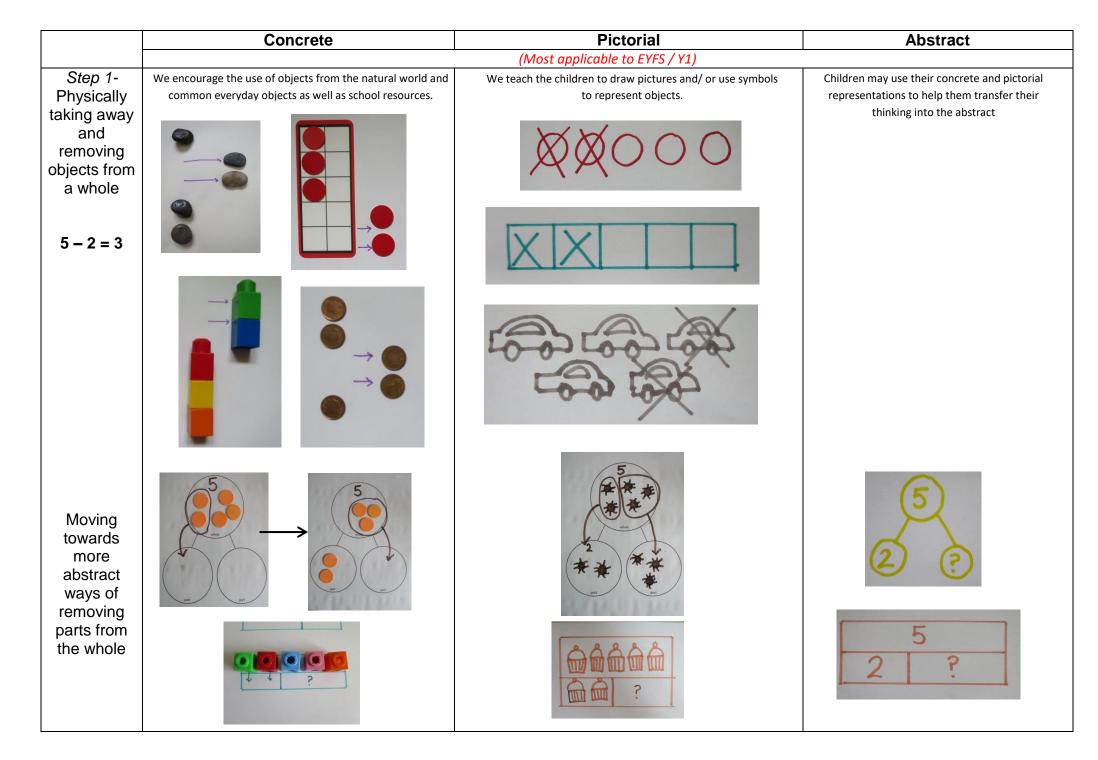
The Oaks CE Learning Federation Mathematics Calculation Policy <u>Subtraction</u> Progression - using a CPA Approach



EYFS Framework	 ELG Number: Children at the expected level of development will: Have a deep understanding of number to 10, including the composition of each number Automatically recall number bonds to 5 (including subtraction facts) and some number bonds to 10, including double facts.
National Curriculum Year 1	 Pupils should be taught to: Given a number, identify one more and one less Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Represent and use number bonds and related subtraction facts within 20 Add and subtract one-digit and two-digit numbers to 20, including zero Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? - 9.
National Curriculum Year 2	 Pupils should be taught to: 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 Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Key Language: take away, less than, the difference, minus, fewer, decrease

Key Apparatus: Numicon, cubes, objects, counters, coins, bead strings, tens frames, number tracks, number lines, part-part whole diagrams, bar model diagrams



	Concrete	Pictorial	Abstract		
	(Most applicable to EYFS / Y1)				
<i>Step 2-</i> Counting back 9 - 3 = 6			0 1 2 3 4 5 6 7 8 9 10		
"9, 8, 7, 6"	Second Second<		9-3=6.		
	1 2 0 7 8 9 10	000000000000000000000000000000000000000	9-3=6		
Step 3- Finding the difference Find the difference between 8					
and 5.			8 2 2 2		

