



Thomas Russell Infants' School

Number: Addition & Subtraction Progression Document

Key of Text Colours

EYFS Development Matters (DM) & NC Objectives

NC Objective appears elsewhere within the same topic progression document

NC Objective also appears in another topic progression document

Nursery 3-4 year olds	Reception	Early Learning Goals	Year 1	Year 2	Year 3
NUMBER BONDS					
	Explore the composition of numbers to 10 Automatically recall number bonds for numbers 0-5 and some to 10	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10 including double facts	Represent and use number bonds and related subtraction facts within 20	Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100	



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MENTAL CALCULATION					
Fast recognition of up to 3 objects without having to count them individually (subitising)	Subitise Automatically recall number bonds for numbers 0-10	Subitise up to 5 Automatically recall number bonds up to 5 and some number bonds up to 10 including double facts	Add and subtract one-digit and two-digit numbers to 20 including zero	Add and subtract numbers using concrete objects, pictorial representations and mentally including: <ul style="list-style-type: none"> • a two-digit number and ones • a two-digit number and tens • two two-digit numbers • adding three one-digit numbers 	Add and subtract numbers mentally including: <ul style="list-style-type: none"> • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds
			Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (Objective also shown in Written Methods)	Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	



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WRITTEN METHODS					
Show 'finger numbers' up to 5			Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (Objective also shown in Mental Calculation)		Add and subtract numbers with up to three digits using formal written methods and columnar addition and subtraction
Experiment with their own symbols and marks as well as numerals					
INVERSE OPERATIONS, ESTIMATING & CHECKING 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