

Acre Hall Skills Map for Maths

LA/SEN – please refer to previous year skills if needed. Co-ordinator – Miss Johnson and Miss Christopher



Addition and Subtraction

		NUMBER BONDS					
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Automatically recall number bonds to 10	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				
				MENTAL CALCULATIO	N		1
With reference to real contexts solve problems using objects up to the value of 5. For example, You have 3 books and you get 1 more how many have you now got altogether?	To be able to count on from a set of objects rather than recounting the whole. E.g 5, 6, 7, 8 Can compare larger sets by identifying which has more or less	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: * 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: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds 		add and subtract numbers mentally with increasingly large numbers	perform mental calculations, including with mixed operations and large numbers

Is able to count	When	read, write and	show that addition of two		use their
using 1 to 1	subtracting they	interpret	numbers can be done in		knowledge
correspondence.	count back from	mathematical	any order (commutative)		of the order
	1 st number and	statements involving	and subtraction of one		of
	is able to keep	addition (+),	number from another		operations
	note of which	subtraction (-) and	cannot		to carry out
	number they are	equals (=) signs			calculations
	up to	(appears also in			involving
	Solves 'change	Written Methods)			the four
	unknown' prob-				operations
	lems, up to 10				
	e.g. 'You have				
	six sweets.				
	Jenny gives you				
	some more so				
	now you have				
	eight. How many				
	did she give				
	you?'				

WRITTEN METHODS							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
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)			
	IN	IVERSE OPERATIONS, ES	TIMATING AND CHECKIN	G 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.		

PROBLEM SOLVING							
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	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 addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division		