 National Curriculum Link – Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Solve addition and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 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 (rounding). 		Year 4 – Addition and		Key Vocabulary	
		Subtraction	addition	ddition combining at least 2 parts to make a whole	
			subtraction	To find the difference between 2 amounts	
		How does this unit build on prior learning? This unit builds on children's Year 3 work on adding and subtracting with 3-digit numbers.	total	It is the result when you add numbers together	
		further develops their estimation and answer checking strategies and their problem-solving skills. This unit provides essential preparation	more than	It shows how many more one quantity is to another.	
		for beginning to add and subtract numbers wi more than four digits.	h less than	thanIt shows how many less one quantity is to another.	
		Before they start this unit, it is expected that children:	difference	ifferenceA comparison between two quantitiesxchangeProcess of converting one value into an equivalent value eg: one hundred can be exchanged to ten tens.	
 In this unit we will Add and subtract 1s, 10s, 100s and 1,000s Add and subtract two 4-digit numbers using the column method Learn how to find and use equivalent difference, and other mental methods Estimate answers to additions and subtractions Learn how to check strategies and apply our knowledge. 		 have a firm understanding of place value (up to 4-digit numbers) know a range of mental addition and subtraction strategies can apply these strategies to a range of contexts including measure. 	exchange		
Add 4-digit numbers No exchange	Subtract 4-digit numbers No exchange 5789	Using Inverse	3476 - 744 = 2732 (2732 + 744 = 3476	3476 - 744 = 2732 can be checked using 3476 2732 + 744 = 3476 2732 This part whole shows the inverse 2732	
+3427 8589 Starting with the ones, add each column in turn.	- 3421 2368 3421 2368	3476	This part whole sho		
One exchange Starting with the ones, add each	One exchange 5749 Starting with the ones, subtract each 5749 column in turn. When subtracting 4 - 3471 tens -7 tens, exchange 1 hundred to 2278 make:	2732	44 calculations using t	chese three numbers.	
5162 column in turn. When adding +3497 6 tens + 9 tens = 15 tens 8659 - 1 hundred + 5 tens		. Efficien		JAM RC PRIMAR	
Place 1 hundred under the hundreds answer and 5 tens in the answer. Multiple exchanges	14 tens – 7 tens = 7 tens Multiple exchanges	Calculate 6000 - 3617 = 2383		HOOM'S P	
5864Starting with the ones, add each+3497column in turn. Exchange tens,9361hundreds and/ or thousands as111required.	6131 5742Starting with the ones, subtract each column in turn. Exchange- 3476 2266tens, hundreds and/ or thousands as required.		Maths at,	Alice Ingham	Journeying to Excellence Through Faith and Learning