

Addition and Subtraction				
		Recall, represent, use	Calculations	Solve Problems
Development Matters	0 - 3			
	3 - 4			
	FS2	Explore the composition of numbers to 10. Automatically recall number bonds for numbers 0–5 and some to 10.	Understand the ‘one more than/one less than’ relationship between consecutive numbers.	
White Rose	Y1	Read, write and interpret mathematical statements involving +, - and = signs. Represent and use number bonds and related subtraction facts within 20.	Add and subtract one- and two-digit numbers to 20 including zero.	Solve one step problems that involve addition and subtraction using concrete object and pictorial representations and missing number problems.
	Y2	Recall and use addition and subtraction facts to 20 and derive and use related facts to 100. Show the addition of two numbers can be done in any order and the subtraction of one from another cannot. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations.	Add and subtract numbers using concrete objects, pictorial representation and mentally, including; Two digit and one digit Two digit and tens Two two-digit 3 one-digit.	Solve problems with addition and subtraction.
	Y3	Estimate the answer to a calculation and use inverse operations to check an answer.	Add and subtract numbers mentally, including; Three-digit and one digit Three-digit and tens Three-digit and hundreds Add and subtract numbers with up to three-digits using column method.	Solve problems including missing number problems using number facts, place value and more complex addition and subtraction.
	Y4	Estimate and use inverse operations to check answers to a calculation.	Add and subtract numbers with up to 4 digits using column method.	Solve addition and subtraction two step problems in context deciding which operations and methods to use and why.

	Y5	Use rounding to check answers to calculations and determine levels of accuracy.	Add and subtract numbers with more than 4 digits using column method. Add and subtract numbers mentally with increasingly large numbers.	Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why. Solve addition, subtraction, multiplication and division problems in context understanding the meaning of the equals sign.
	Y6		Perform mental calculations, including with mixed operations and large numbers. Use knowledge of order of operations to carry out calculations involving the four operations.	Solve addition, subtraction, multiplication and division multi step problems in context deciding which operations and methods to use and why.
	KS3		Use formal methods for addition and subtraction fluently including increasingly complex decimals. Explore and understand rules for adding and subtracting positive and negative integers.	Use and apply BIDMAS to the number system, ensuring the calculations are carried out in order.