Maths medium term plans: Autumn term 1 (2018 – 19)

Term 1 (7 weeks)		
	Year 2	Year 3
Number & place value (2 weeks)	• count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward • recognise the place value of each digit in a two-digit number (tens, ones) • Read & write numbers to at least 100 in numerals & words • identify, represent and estimate numbers using different representations, including the number line • partition numbers in different ways • compare and order numbers from 0 up to 100; use <, > and = signs • use place value and number facts to solve problems	• count from 0 in multiples of 4, 8, 50 and 100; forward & back • recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • read and write numbers up to 1000 in numerals and in words • identify, represent and estimate numbers using different representations • partition numbers in different ways • compare and order numbers from 0 up to 1000; use <, > and = signs • solve number problems and practical problems involving these ideas. • Round whole numbers to 100 to the nearest 10

Addition & subtraction (2 weeks)	• recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
	• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
	• solve problems with addition and subtraction:
	  ○ using concrete objects and pictorial representations, including those involving two 2-digit numbers & adding three 1-digit numbers
	  ○ applying their increasing knowledge of mental and written methods
		• continue to use addition & subtraction facts to 20 & derive related facts up to 100
		• add and subtract numbers mentally, including:
		  ○ a three-digit number and ones
		  ○ a three-digit number and tens
		  ○ a three-digit number and hundreds
		• estimate the answer to a calculation and use inverse operations to check answers
		• Use understanding of place value & partitioning to develop methods for addition & subtraction
		• Add & subtract numbers with up to 3 digits using formal written methods of columnar addition & subtraction

Multiplication & division (2 weeks)	• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • solve problems involving multiplication & division in context	• recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods • show that multiplication is commutative & division is not • solve problems, involving multiplication and division, using materials, arrays, repeated addition, mental methods, including problems in context
Assessments (1 week)		