Goose Green - Number: Number and Place Value Progression

Counting	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Count objects, actions, and sounds, Count beyond 10	Verbally count beyond 20 Recognising the pattern of the counting system	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			Count backwards through zero to include negative numbers	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	Use negative numbers in context, and calculate intervals across zero
	Link the number symbol (numeral) with its cardinal value Compare Have a deep understanding of numbers to 10 including the composition of each number		Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	Count from 0 in multiples of 4, 8, 50 and 100	Count in multiples of 6, 7, 9, 25 and 1 000	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	
			Given a number, identify one more and one less		Find 10 or 100 more or less than a given number	Find 1 000 more or less than a given number		

Comparing	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Compare quantities up to 5 in different contexts recognising when one quantity is greater than less than or the same as the other quantity	Compare quantities up to 10 in different contexts recognising when one quantity is greater than less than or the same as the other quantity	Use the language of: equal to, more than, less than (fewer), most, least Identify the order of numbers knowing what comes before and what comes next and also that the value represented increases/ decreases by one each time up to 20	Compare and order numbers from 0 up to 100; use <, > and = signs	Compare and order numbers up to 1 000	Order and compare numbers beyond 1 000	Order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	Order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
	Develop an awareness of pattern to notice and understand mathematical relationships by counting one more, one less	Compare quantities up to 10 in different contexts recognising when one quantity is greater than less than or the same as the other quantity Begin to identify the order of numbers knowing that the value represented increases by one each time up to five				*Compare numbers with the same number of decimal places up to two decimal places*		

Identifying, representing and estimating	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Subitize: link the number symbol with its cardinal number value subitize: recognise quantities immediately without counting up to five	Identify and represent numbers using objects and pictorial representations including the number line	Identify, represent and estimate numbers using different representations, including the number line	Identify, represent and estimate numbers using different representations	Identify, represent and estimate numbers using different representations		

Number and place Value	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Explore and represent pattern making	Link the numbers is symbol with its cardinal number value Automatically recall number bonds for numbers 025 and some	Read and write numbers from 1 to 20 in numerals and words	Read and write numbers to at least 100 in numerals and in words	Read and write numbers up to 1 000 in numerals and in words		Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)
		Explore and represent pattern making Within ten, using manipulatives to recognise even and odds, double facts and how quantities can be distributed evenly			*Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks* (copied from Measurement)	Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	Read Roman numerals to 1 000 (M) and recognise years written in Roman numerals.	

Understanding place value	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				Recognise the place value of each digit in a two-digit number (tens, ones)	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
						Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (copied from Fractions)	*Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents* (copied from Fractions)	*Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1 000 where the answers are up to three decimal places* (copied from Fractions)

Rounding	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						Round any number to the nearest 10, 100 or 1 000	Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	Round any whole number to a required degree of accuracy
						Round decimals with one decimal place to the nearest whole number	Round decimals with two decimal places to the nearest whole number and to one decimal place	Solve problems which require answers to be rounded to specified degrees of accuracy
Problem solving	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Begin to separate items into tens and ones	Use place value and number facts to solve problems	Solve number problems and practical problems involving these ideas.	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Solve number problems and practical problems that involve all of the above	Solve number and practical problems that involve all of the above