Place Value: Objective Progression Document

	Autumn Term	Spring Term	Summer Term
Year 1	• Read and write numbers from 1 – 20 in numerals and words. • Identify one more and one less • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	• Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • Identify and represent numbers using objects and pictorial representations including the number line, and the use of the language of: equal to, more than, less than (fewer), most, least	• Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • Identify and represent numbers using objects and pictorial representations including the number line, and the use of the language of: equal to, more than, less than (fewer), most, least
Mental Maths	• *Count reliably up to 10 everyday objects* • *Count on in ones from any small number*	• *Count reliably up to 20 objects* • *Count on or back in tens from zero*	• *Order a set of number to 20* • *Recall pairs of numbers which total 10*
Year 2	• read and write numbers to at least 100 in numerals and in words • recognise the place value of each digit in a two-digit number (tens, ones) • compare and order numbers from 0 up to 100; use <, > and = signs	• identify, represent and estimate numbers using different representations, including the number line • count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward • use place value and number facts to solve problems	• use place value and number facts to solve problems
Mental Maths	• *Say the number names in order to at least 100* • *Say the number that is 1 or 10 more or less than any given two-digit number*	• *Count on or back in tens from any number up to 100* • *Count in 100's from and back to zero*	• *Add/subtract 9, 19, 11, 21* • *Recognise odd and even numbers*
Year 3	• To read and write numbers up to 1000 in numerals and in words. • To recognise the place value of each digit in a three-digit number (hundreds, tens, ones). • To compare and order numbers up to 1000. • To solve number problems and practical problems	• To count from 0 in multiples of 4 and 100; finding 10 or 100 more or less than a given number. • To solve number problems and practical problems involving these ideas. • To identify, represent and estimate numbers	• To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number. • To solve number problems and practical problems involving these ideas. • To identify, represent and estimate numbers using

	involving these ideas. • To identify, represent and estimate numbers using different representations.	using different representations.	different representations.
Mental Maths	• *Read and write whole numbers up to 1000.* • *Order a set of three-digit numbers.* • *Recognise odd/even numbers to 100.* • *Say the number that is 10 more/less than any two-digit number.* • *Count on/back in 10s from any two-digit number.*	• *Say the number that is 10 more/less than any three-digit number.* • *Count on/back in 10s, 100s from any two-digit number.*	• *Count on/back in 10s, 100s from any two-/three-digit number.* • *Count in threes from and back to zero.* • *Say the number that is 10, 100 more/less than any two- or three-digit number.*
Year 4	• To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones). • To identify, represent and estimate numbers using different representations. • To order and compare numbers beyond 1000. • To count in multiples of 6 and 1000. • To solve number and practical problems that involve all of the above and with increasingly large positive numbers. • To 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. • To count in multiples of 6, 7, 1000. • To round any number to the nearest 10, 100 or 1000 • To solve number and practical problems that involve all of the above and with increasingly large positive numbers.	• To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones). • To identify, represent and estimate numbers using different representations. • To order and compare numbers beyond 1000. • • To count in multiples of 6, 7, 1000. • To round any number to the nearest 10, 100 or 1000 • To solve number and practical problems that involve all of the above and with increasingly large positive numbers.	• To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones). • To identify, represent and estimate numbers using different representations. • To order and compare numbers beyond 1000. • To count in multiples of 6, 7, 9, 25, 1000. • To find 1000 more or less than a given number. • To count backwards through zero to include negative numbers. • To solve number and practical problems that involve all of the above and with increasingly large positive numbers. •
Mental Maths	• Read and write whole numbers up to 10000. • Round any three-digit number to the nearest 10 or 100. • Count on or back in 10s from any 2- or 3-digit number. • Add/subtract 1, to any whole number.	• Read and write whole numbers up to 10000. • Round any three-digit number to the nearest 10 or 100 • Count on or back in 10s, 100s from any 2-digit number. • Add/subtract 1, 10, to any whole number.	• Read and write whole numbers up to 10000. • Round any three-digit number to the nearest 10 or 100. • Count on or back in 10s, 100s from any 2- or 3-digit number. • Add/subtract 1, 10, 100 to any whole number. • Count on or back in equal steps including below zero.

Year 5	• Read, write, order and compare numbers to at least 1,000,000. • Determine the value of each digit up to 1,000,000. • Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0. • Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000. • Solve number problems and practical problems that involve all of the above. • Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.	• Read, write, order and compare numbers to at least 1,000,000. • Determine the value of each digit up to 1,000,000. • Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0. • Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000. • Solve number problems and practical problems that involve all of the above.	• Read, write, order and compare numbers to at least 1,000,000. • Determine the value of each digit up to 1,000,000. • Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0. • Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000. • Solve number problems and practical problems that involve all of the above. • Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.
Mental Maths	• *Read and write whole numbers up to 100,000.* • *Round any three- or four-digit number to the nearest 10 or 100.* • *Round decimals to the nearest whole number.* • *Order a set of positive and negative whole numbers.* • *Order decimals with the same number of decimal places.*	• *Read and write whole numbers up to 100,000.* • *Round any three- or four-digit number to the nearest 10 or 100.* • *Round decimals to the nearest whole number.* • *Order a set of positive and negative whole numbers.* • *Order decimals with the same number of decimal places.*	• *Read and write whole numbers up to 100,000.* • *Round any three- or four-digit number to the nearest 10 or 100.* • *Round decimals to the nearest whole number.* • *Order a set of positive and negative whole numbers.* • *Order decimals with the same number of decimal places.*
Year 6	• Read, write, order and compare numbers up to 10,000,000. • Determine the value of each digit up to 10,000,000. • Round any whole number to a required degree of accuracy. • Use negative numbers in context, and calculate intervals across 0. • Solve number and practical problems that involve all of the above.	• Read, write, order and compare numbers up to 10,000,000. • Determine the value of each digit up to 10,000,000. • Round any whole number to a required degree of accuracy • Use negative numbers in context, and calculate intervals across 0 • Solve number and practical problems that involve all of the above	• Read, write, order and compare numbers up to 10,000,000. • Determine the value of each digit up to 10,000,000. • Round any whole number to a required degree of accuracy. • Use negative numbers in context, and calculate intervals across 0. • Solve number and practical problems that involve all of the above.

Mental Maths	• *Read and write whole numbers up to 10,000,000 and decimals in figures and words.* • *Order positive and negative whole numbers.* • *Round whole numbers to the nearest 10, 100, 1000.* • *Round decimals to the nearest whole number, tenth or hundredth.*	• *Read and write whole numbers up to 10,000,000 and decimals in figures and words.* • *Order positive and negative numbers.* • *Round whole numbers to the nearest 10, 100, 1000.* • *Round decimals to the nearest whole number, tenth or hundredth.*	• *Read and write whole numbers up to 10,000,000 and decimals in figures and words.* • *Order positive and negative numbers.* • *Round whole numbers to the nearest 10, 100, 1000.* • *Round decimals to the nearest whole number, tenth or hundredth.*