

Overview of Maths Curriculum

2022 2023

Key areas to recap from previous block of learning or from previous year group

	Autumn Term							Spring Term					Summer Term				
	Number and Place Value (3wks)	Addition & Subtraction (3wks)	Position & Direction (1 wk)	Multiples, Primes, Factors, Square & Cube Numbers (2 wks)	Multiply & Division by 10 100 1000 (linked to converting units) (1 wk)	Short and Long Multiplication (2 wks)	Perimeter, Area & Volume (2 wks)	Short and Long Division (3 wks)	Fractions (3 wks)	Fractions, Decimals & Percentages (4 wks)	Shape (2 wks)	Statistics (1 wk)	Ratio & Algebra (1 wk)	Measure (1 wk)		Position & Direction (2wks)	
Year 6	<ul style="list-style-type: none"> Numbers to 10,000 Numbers to 100,000 Numbers to a million Numbers to 10 million Compare and order any numbers Round numbers to 10 100 1,000 Round any number Negative numbers 	<ul style="list-style-type: none"> Add and subtract whole numbers with more than 4 digits Inverse operations Multi step addition and subtraction problems Add and subtract integers 	<ul style="list-style-type: none"> The 1st quadrant Four quadrants 	<ul style="list-style-type: none"> Common factors Common multiples Primes to 100 Squares and cubes 	<ul style="list-style-type: none"> Revise ,ultiply by 10 100 1,000 100,000 and divide by 10 100 1,000 Factors Common factors Primes to 100 Squares and cubes Mental calculation and estimation Reason from known facts 	<ul style="list-style-type: none"> Multiply 3 digits by 2 digits Multiply 4 digit by 2 digit Long division 	<ul style="list-style-type: none"> Shapes same area Area and perimeter Area of a triangle Area of a parallelogram What is volume Volume – counting cubes Volume of a cuboid 	<ul style="list-style-type: none"> Divide 4 digits by 1 digit Divide with remainders Short division Division using factors Long division 	<ul style="list-style-type: none"> Equivalent fractions Simplify fractions Improper fractions to mixed numbers Mixed numbers to improper fractions Fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract fractions Add mixed numbers Add fractions Subtract mixed numbers Subtract fractions Multiply fractions by integers Multiply fractions by fractions Divide fractions by integers Four rules with fractions Fractions of an amount Fraction of an amount – find the whole 	<ul style="list-style-type: none"> Decimals up to 2 dp Understanding thousandths Three decimal places Multiply by 10 100 1,000 Divide by 10 100 1,000 Multiply and divide by integers Divide decimals by integers Division to solve problems Decimals as fractions Fractions to decimals Understanding percentages Fractions to percentages Equivalent FDP Order FDP Percentage of an amount Percentage missing values 	<ul style="list-style-type: none"> Measure with a protractor Draw lines and angles accurately Introduce angles Angles on a straight line Angles around a point Calculate angles Vertically opposite angles Angles in a triangle Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Draw nets of 3D shapes 	<ul style="list-style-type: none"> Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts Pie charts with percentages Draw pie charts The mean 	<ul style="list-style-type: none"> Order of operation Find a rule one step Find a rule two step Forming expressions Substitution Formulae Forming questions Solve one step equations Solve two step equations Find pairs of values Calculating Ratio Using scale factors Ratio and proportion problems 	<ul style="list-style-type: none"> Metric units Convert metric units Calculate with metric units Miles and km Imperial measure 	SATs Tests (1wk)	<ul style="list-style-type: none"> Translation Reflections 	Consolidation (6 wk)
	<p>Y6 Revision Club</p> <ul style="list-style-type: none"> Revise, revisit areas previously identified as less secure/ low confidence Explore question strategies/ checking/ accuracy Managing time and working efficiently 																
Year 5	<ul style="list-style-type: none"> Numbers to 10,000 Rounding to nearest 10 Rounding to nearest 100 Rounding to 10 100 1,000 Numbers to 100,000 Compare and order numbers to 100,000 Round numbers within 100,000 Numbers to a million Counting in 10 100 1,000 10,000 100,000 Compare and order numbers to one million Round numbers to one million Negative numbers 	<ul style="list-style-type: none"> Add two 4 digit numbers, one exchange Add two 4 digit numbers more than one exchange Add whole numbers with more than 4 columns (column method) Subtract two 4 digit numbers one exchange Subtract two 4 digit numbers, more than one exchange Subtract whole numbers with more than 4 digits Round to estimate and approximate Inverse operation (+ & -) Multi-step addition and subtraction problems 	<ul style="list-style-type: none"> Describe position Draw on a grid Position in the 1st quadrant 	<ul style="list-style-type: none"> Multiples Factors Common factors Prime numbers Square numbers Cube numbers 	<ul style="list-style-type: none"> Multiply by 10 Multiply by 100 Multiply by 10 100 1,000 Divide by 10 Divide by 100 Divide by 10 100 and 1,000 Multiples of 10 100 1,00 Multiply 2 digits by 1 digit Multiply 3 digits by 1 digit 	<ul style="list-style-type: none"> Multiply 4 digits by 1 digit Multiply 2 digits by 2 digits Multiply 3 digits by 2 digits Multiply 4 digits by 2 digits 	<ul style="list-style-type: none"> Measure perimeter Perimeter on a grid Perimeter of rectangles Perimeter of rectilinear shapes Calculate perimeter Counting squares Area of rectangles Area of compound shapes Area of irregular shapes What is volume Compare volumes Estimate volume Estimate Capacity 	<ul style="list-style-type: none"> Divide 2 digits by 1 digit Divide 3 digits by 1 digit Divide 4 digits by 1 digit with remainders 	<ul style="list-style-type: none"> Equivalent fractions Fractions greater than 1 Improper fractions to mixed numbers Mixed numbers to improper fractions Number sequences Compare and order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions Add fractions within 1 Add mixed numbers Subtract fractions Subtract mixed numbers Multiply unit fractions by an integer Multiply mixed numbers by integers Calculate fractions of a quantity Fraction of an amount Using fractions as operators Fraction problem solving 	<ul style="list-style-type: none"> Decimals up to 2 dp Decimals as fractions Understanding thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understanding percentages Percentages as fractions and decimals Equivalent FDP Adding decimals within 1 Subtracting decimals within 1 Complements to 1 Adding decimals crossing the whole Adding decimals with the same number of decimal places Adding and subtracting decimals with the same number of decimal places problem solving Adding decimals with a different number of decimal places Adding and subtracting decimals with a different number of decimal places Adding and subtracting wholes and decimals Multiply decimals by 10 100 1,000 Dividing decimals by 10 100 1,000 	<ul style="list-style-type: none"> Identify angles Compare and order angles Measuring angles in degrees Measuring with a protractor Drawing lines and angles accurately Calculating lines and angles accurately Calculating angles on a straight line Calculating angles around a point Triangles Quadrilaterals Calculating lengths and angles in shapes Regular and irregular polygons Reasoning about 3D shapes 	<ul style="list-style-type: none"> Interpret charts Comparison, sum and difference Introduce line graphs Read and interpret line graphs Draw line graphs Use line graphs to solve problems Read and interpret tables Two-way tables Timetables 	<ul style="list-style-type: none"> Fraction of an amount Fraction problem solving Multistep problems 	<ul style="list-style-type: none"> Units of Measure: Kilometres & kilograms Millimetres & millilitres Metric units Imperial units Converting periods of time Timetables 	Tests (1 wk)	<ul style="list-style-type: none"> Translation Translation with coordinates Lines of symmetry Complete symmetrical figure Reflection Reflection with coordinates 	Consolidation (6 wk)

	Autumn Term					Spring Term					Summer Term				
Year 4	Place Value (4 wks)	Addition & Subtraction (4wks)	Multiplication & Division (Block B) (3 wks)	Area (1 wk)	Length & Perimeter (2 wks)	Roman Numerals (1 wk)	Multiplication (Block B) (3 wks)	Fractions (4 wks)	Decimals (Block A&B) (4 wks)	Time (4 wks)	Shape (2 wks)	Statistics (2 wks)	Money (2 wks)	Position & Direction (2 wks)	
	<ul style="list-style-type: none"> Numbers to 1,000 100, 10 1 Number line to 1,000 Round to nearest 10 Round to nearest 100 Count in 1,000 Partitioning Number line to 10,000 Find 1 10 100 more or less 1,000 more Compare 4 digits Order numbers Round nearest 1,000 Count in 25s Negative numbers 	<ul style="list-style-type: none"> Add and subtract 1s 10s 100s 1,000s Add two 3 digit numbers not crossing 10 or 100 Add two 4 digit numbers no exchange Add two 3 digit numbers crossing 10 or 100 Add two 4 digit numbers one exchange Add two 4 digit numbers more than one exchange Subtract 3 digit from 3 digit no exchange Subtract two 4 digit numbers no exchange Subtract two 4 digit numbers one exchange Subtract two 4 digit numbers more than one exchange Efficient subtraction Estimate answers Checking strategies 	<ul style="list-style-type: none"> Multiply by 10 and 100 Divide by 10 100 Multiply by 1 and 0 Divide by 1 and itself Multiply and divide by 3 The 3 times table Multiply and divide by 6 6 times tables and division facts Multiply and divide by 9 9 times tables and division facts Multiply and divide by 7 7 times table and division facts 	<ul style="list-style-type: none"> What is area Counting Squares Making shapes Comparing area 	<ul style="list-style-type: none"> Equivalent lengths m and cm Equivalent lengths mm and cm Kilometres Add lengths Subtract lengths Measure perimeter Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes 	<ul style="list-style-type: none"> Numbers to 100 Roman numerals 	<ul style="list-style-type: none"> 11 and 12 times tables Multiply 3 numbers Factor pairs Efficient multiplication Written methods Multiply 2 digit by 1 digit Multiply 3 digits by 1 digit Divide 2 digits by 1 digit Divide 3 digits by 1 digit Correspondence problems 	<ul style="list-style-type: none"> Unit and non-unit fractions What is a fraction Tenths Count in tenths Equivalent fractions Fractions greater than 1 Count in fractions Add fractions Add 2 or more fractions Subtract fractions Subtract 2 fractions Subtract from whole amounts Fractions of a set of objects Calculate fractions of a quantity Problem solving – calculate quantities 	<ul style="list-style-type: none"> Recognise tenths and hundredth Tenths as decimals Tenths on a place value grid Tenths on a number line Divide 1 digit by 10 Divide 2 digit by 10 Hundredths Hundredths as decimals Hundredths on a place value grid Divide 1 or 2 digits by 100 Bonds to 10 and 100 Make a whole Write decimals Compare decimals Order decimals Round decimals Halves and quarters 	<ul style="list-style-type: none"> Telling time to 5 mins Time to minutes Using am and pm 24 hour clock Hours, minutes seconds Years, months, weeks, days Analogue to digital 12 hour Analogue to digital 24 hour 	<ul style="list-style-type: none"> Turns and angles Compare angles Identify angles Compare and order angles Recognise and describe 2D shapes Triangles Quadrilaterals Horizontal and vertical Lines of symmetry Complete a symmetric figure 	<ul style="list-style-type: none"> Interpret charts Comparison, sum difference Introducing line graphs Line graphs 	<ul style="list-style-type: none"> Pounds and pence Ordering money Estimating money Convert pounds and pence Add money Subtract money Give change Four operations 	<ul style="list-style-type: none"> Describe position Draw on a grid Move on a grid Describe movement on a grid 	
Year 3	Place Value (4 wks)	Addition & Subtraction (4wks)	Multiplication & Division (Block B) (4 wks)	Length & Perimeter (2 wks)	Roman Numerals (1 wk)	Multiplication (Block B) (3 wks)	Fractions (Block A& B) (4 wks)	Money (3 wks)	Consolidation (1wk)	Time (4 wks)	Shape (2 wks)	Statistics (2 wks)	Capacity & Mass (2 wks)	Consolidate (2 wks)	
	<ul style="list-style-type: none"> Represent numbers to 100 Tens and ones using addition Hundreds Numbers to 1,000 Number line to 100 Number line to 1,000 Find 1 10 100 more or less Compare objects Compare numbers Order numbers Count in 50s 	<ul style="list-style-type: none"> Add and subtract multiples of 100 Add and subtract 1s Add and subtract 3 digit and 1 digit numbers not crossing 10 Add 2 digit and 1 digit number crossing 10 Add 3 digit and 1 digit number crossing 10 Subtract 1 digit from 2 digits crossing 10 Subtract 1 digit from 3 digit crossing 10 Add 3 digit and 2 digit crossing 100 Subtract a 2 digit from a 3 digit, crossing 100 Add and subtract 100s Add 2 digit numbers crossing 10s add is add 10s Subtract a 2 digit from a 2 digit crossing 10 Subtract 1s and 10s Add and subtract 100s Add and subtract 2 and 3 digit numbers not crossing 10 or 100 Subtract a 2 digit from a 3 digit crossing 10 or 100 Add two 3 digit numbers not crossing 10 or 100 Add two 3 digit numbers crossing 10 or 100 Subtract a 3 digit from 3 digit no exchange Subtract 3 digit from 3 digit with exchange Estimate answers to calculations 	<ul style="list-style-type: none"> Multiplication using the symbol Using arrays 2 times table 5 times table Making equal groups sharing and grouping Divide by 2 Divide by 5 Divide by 10 Multiply by 3 Divide by 3 The 3 times table Multiply by 4 Divide by 4 The 4 times table Multiply by 8 Divide by 8 The 8 times table 	<ul style="list-style-type: none"> Measure length Measure length (m) Equivalent lengths cm and m Equivalent lengths mm & cm Compare lengths Add lengths Subtract lengths What is perimeter Measure perimeter Calculate perimeter 	<ul style="list-style-type: none"> Hundreds Numbers to 100 	<ul style="list-style-type: none"> Consolidate 2,4 and 8 times table Comparing statements Related calculations Multiply 2 digits by 1 digit no exchange Multiply 2 digits by 1 digit Divide 2 digits by 1 digit Divide 100 into 2, 4 5 and 10 equal parts Divide with remainders Divide 2 digits by 1 digit Scaling 	<ul style="list-style-type: none"> Making equal parts Recognise and find a half Recognise and find a quarter Recognise and find a third Unit fractions Non-unit fractions Equivalence of a half and 2 quarters Count in fractions Making the whole Tenths Count in tenths Tenths as decimals Fractions on a number line Fractions of a set of objects Equivalent fractions Compare fractions Order fractions Add fractions Subtract fractions 	<ul style="list-style-type: none"> Count money (pence) Count money (pounds) Pounds and pence Convert Pounds and pence Add money Subtract money Give change 		<ul style="list-style-type: none"> O'clock and half past Quarter past and quarter to Months and years Hours in a day Telling the time to 5 mins Telling the time to the minute Using am and pm 24 hour clock Finding the duration Comparing duration Start and end times Measuring time in seconds Problem solving with time. 	<ul style="list-style-type: none"> Turns and angles Right angles in shapes Compare angles Draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2D shapes Recognise and describe 3D shapes Make 3D shapes 	<ul style="list-style-type: none"> Make tally charts Draw pictograms 2,5 and 10 Interpret pictograms 2, 5 and 10 Pictograms Draw bar charts Tables 	<ul style="list-style-type: none"> Measure mass Compare mass Add and subtract mass Measure capacity Compare volume Measure capacity Compare capacity Add and subtract capacity Temperature 		

		Autumn Term				Spring Term				Summer Term		
Year 2	Place Value (5 wks)	Addition & Subtraction (4 wks)	Shape (2 wks)	Position & Direction (1 wk)	Multiplication & Division (4 wks)	Money (2 wks)	Fractions (3 wks)	Time (2 wks)	Length, Mass, Capacity, Temperature (3 wks)	Statistics (3 wks)	Money (2 wks)	Consolidation & Problem Solving (5 wks)
	<ul style="list-style-type: none"> Count forwards and backwards within 20 Tens and ones within 20 Counting forwards and backwards within 50 Tens and ones within 50 Compare numbers within 50 Count objects to 100 and read and write numbers in numerals and words Represent numbers to 100 Tens and ones with a part whole model Tens and ones using addition Use a place value chart Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s 	<ul style="list-style-type: none"> Fact families – addition and subtraction Check calculations Compare number sentences Know bonds Related facts Bonds to 100 (tens) Add and subtract 1s 10 more and 10 less Add and subtract 10s Add by making 10 Add a 2 digit and 1 digit crossing 10 Subtraction crossing 10 Subtract a 1 digit from a 2 digit crossing 10 Add two 2 digit numbers not crossing 10, add 1s and 10s Add two 2 digit numbers crossing 10 Subtract a 2 digit from a 2 digit number not crossing 10 Subtract a 2 digit from a 2 digit number crossing 10 Find and make number bonds Bonds to 100 (tens and ones) Add three 1 digit numbers 	<ul style="list-style-type: none"> Recognise 2D and 3D shapes Count sides on 2D shapes Count vertices on 2D shape Draw 2D shape Lines of symmetry Sorting 2D shapes Make patterns with 2D shapes Count faces with 3D shapes Count edges on 3D shapes Count vertices on 3D shapes Sort 3D shapes Make patterns with 3D shapes 	<ul style="list-style-type: none"> Describe position Problem solving with position Describe movement Describing turns Describing movement and turns Making patterns with shapes 	<ul style="list-style-type: none"> Recognise equal groups Make equal groups Add equal groups Multiplication sentences using the x symbol Multiplication sentences from pictures Use arrays 2 times table 5 tables 10 times table Make equal groups sharing Make equal groups – grouping Divide by 2 Odd and even numbers Divide by 5 Divide by 10 	<ul style="list-style-type: none"> Recognising coins and notes Counting money – pence Count money – pounds (notes and coins) Count money notes and coins Select money Make the same amount Compare money Find the total Find the difference Find change Two-step problems 	<ul style="list-style-type: none"> Make equal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Unit fractions Non-unit fractions Equivalence of a half and 2 quarters Find three quarters Count in fractions Problem solving with fractions 	<ul style="list-style-type: none"> Telling time to the hour Telling tie to the half hour O'clock and half past Quarter past and quarter to Telling time to 5 mins Writing time Hours and days Find durations of time Compare durations of time 	<ul style="list-style-type: none"> Introduce Mass and weight Measure mass Compare mass Measure mass in grams Measure mass in kg Introduce capacity and volume Measure capacity Compare volume Millilitres Litres Four operations with mass Four operations with volume Temperature 	<ul style="list-style-type: none"> Make tally charts Draw pictograms Draw pictograms (2,5 & 10) Interpret pictograms (2, 5 & 10) Block diagrams 	<ul style="list-style-type: none"> Select money Make the same amount Compare money Find the total Find the difference Find change Two-step problems 	
	Mastering Number (NCETM) Year 2 Content Term 1: Autumn					Mastering Number (NCETM) Year 2 Content Term 2: Spring					Mastering Number (NCETM) Year 2 Content Term 3: Summer	
<p>Pupils will have an opportunity to consolidate their understanding and recall of number bonds within 10; they will re-cap the composition of the numbers 11 to 20 and reason about their position within the linear number system. Pupils will:</p> <ul style="list-style-type: none"> review the composition of the numbers 6 to 9 as '5 and a bit' compare numbers using the language of comparison and use the symbols < > = review the structure of even numbers (including exploring how even numbers can be composed of two odd parts or two even parts) and the composition of each of 6, 8 and 10 review the structure of odd numbers (including exploring how odd numbers can be composed of one odd part and one even part) and the composition of each of 7 and 9 consolidate their understanding of the numbers 10 and 20 as '10 and a bit' consolidate their understanding of the linear number system to 20 and reason about midpoints 					<p>Pupils will have an opportunity to use their knowledge of the composition of numbers within 10 to calculate within 20; they will explore the links between the numbers in the linear number system within 10 to numbers within 100, focusing on multiples of 10 and the midpoint of 50. Pupils will:</p> <ul style="list-style-type: none"> explore how the numbers 6 to 9 can be doubled using the '5 and a bit' and '10 and a bit' structure use doubles to calculate near doubles use bonds of 10 to reason about bonds of 20, in which the given addend is greater than 10 use known number bonds within 10 to calculate within 20, working within the 10-boundary use their knowledge of bonds of 10 to find three addends that sum to 10 use their knowledge of the composition of numbers within 20 to add and subtract across the 10-boundary use their understanding of the linear number system to 10 to position multiples of 10 on a 0 - 100 number line and reason about midpoints 					<p>Pupils will have further opportunities to use their knowledge of the composition of numbers within 10 to calculate within 20 and to reason about equations and inequalities. Pupils will:</p> <ul style="list-style-type: none"> continue to explore a range of strategies to subtract across the 10-boundary review bonds of 20 in which the given addend is greater than 10, and reason about bonds of 20, in which the given addend is less than 10 practise previously explored strategies to support their reasoning about inequalities and equations review doubles and near doubles and transform additions in which two addends are adjacent odd/ even numbers into doubles consolidate previously taught facts and strategies through continued, varied practice 		

		Autumn Term				Spring Term				Summer Term					
		Place Value (within 10) (5 wks)	Addition & Subtraction (4 wks)	Shape (2 wks)	Position & Direction (1 wk)	Multiplication & Division (4 wks)	Money (2 wks)	Fractions (3 wks)	Time (2 wks)	Length, Mass, Capacity, Temperature (3 wks)	Statistics (3 wks)	Money (2 wks)			
Year 1		Place Value within 10 <ul style="list-style-type: none"> Sort & count objects Count objects in a group of 10 Represent objects Represent numbers to 10 Count forwards & backwards Count one more and one less One-to-one correspondence Compare objects Introduce $<=>$ Compare numbers Order objects and numbers Ordinal numbers The number line Place Value within 20 <ul style="list-style-type: none"> Count forwards and backwards and write numbers to 20 numerals & words Numbers from 11 to 20 Tens and ones Count one more, one less Compare objects Order groups of objects Order numbers Place Value within 50 <ul style="list-style-type: none"> Counting to 50 by making 10s Numbers to 50 Counting forwards and backwards within 50 Tens and ones Represent numbers to 50 One more one less Compare objects within 50 Order numbers within 50 Count in 2s Count in 5s 	Addition & Subtraction within 10 <ul style="list-style-type: none"> Parts and wholes Part whole model (images & objects) Addition symbol Fact families – addition facts Find number bonds for numbers within 10 Systematic methods for number bonds within 10 Number bonds to 10 Compare number bonds Addition – adding together Addition – adding more Addition – using bonds Finding a part Subtraction – taking away, how many left? Introduce the subtraction symbol Subtraction finding a part, breaking apart Fact families – the 8 facts Subtraction counting back Subtraction finding the difference Comparing addition and subtraction statements $a+b.c$ Comparing addition statements $a+b>c+d$ Addition & Subtraction within 20 <ul style="list-style-type: none"> Add by counting on Add ones using number bonds Find & make number bonds Add by making 10 Subtraction not crossing 10 Subtraction crossing 10, counting back Related facts Compare number sentences 	<ul style="list-style-type: none"> Recognise and name 3D shapes Sort 3D shapes Recognise and name 2D shapes Sort 2D shapes Patterns with 3D and 2D shapes 	<ul style="list-style-type: none"> Describe turns Describe position 	<ul style="list-style-type: none"> Count in 2s Count in 5s Count in 10s Make equal groups Add equal groups Make arrays Make doubles Make equal groups – grouping Make equal groups – sharing 	<ul style="list-style-type: none"> Recognising coins Counting in coins Place Value within 100 <ul style="list-style-type: none"> Counting to 100 by making 10s Counting to 100 Counting forwards and backwards within 100 Introducing the 100 square Partitioning numbers Comparing numbers Ordering numbers One more, one less 	<ul style="list-style-type: none"> Making a half Making a whole Find a half Find a half of a quantity Make a quarter Find a quarter Find a quarter of a quantity 	<ul style="list-style-type: none"> Before and after Dates Time to the hour Time to the half hour Writing time Comparing time 	<ul style="list-style-type: none"> Compare lengths & heights Measure lengths- non standard units Measure length Introduce the ruler Measure length Adding length problems Subtracting length problems Introduce weight and mass Measure mass Compare mass Weight and mass problems Introduce capacity and volume Measure capacity Compare capacity 	<ul style="list-style-type: none"> Counting to 50 by making 10s Numbers to 50 Counting forwards and backwards within 50 Tens and ones Represent numbers to 50 One more one less Compare objects within 50 Drawing charts 	<ul style="list-style-type: none"> Recognising coins Recognising notes Counting in coins 	Consolidation & Problem Solving (5 wks)		
		Mastering Number (NCETM) Year 1 Content Term 1: Autumn					Mastering Number (NCETM) Year 1 Content Term 2: Spring					Mastering Number (NCETM) Year 1 Content Term 3: Summer			
		<p>Pupils will have an opportunity to consolidate the Early Learning Goals and continue to explore the composition of numbers within 10, and the position of these numbers in the linear number system. Pupils will:</p> <ul style="list-style-type: none"> subitise within 5, including when using a rekenrek, and re-cap the composition of 5 develop their understanding of the numbers 6 to 9 using the ‘5 and a bit’ structure compare numbers within 10 and use precise mathematical language when doing so re-cap the order of numbers within 10 and connect this to ‘1 more’ and ‘1 less’ than a given number explore the structure of even numbers (including that even numbers can be composed by doubling any number, and can be composed of 2s) explore the structure of the odd numbers as being composed of 2s and 1 more explore the composition of each of the numbers 6, 8, and 10 explore number tracks and number lines and identify the differences between them 					<p>Pupils will continue to explore the composition of numbers within 10 and explore addition and subtraction structures and the related language (without the use of symbols). Pupils will:</p> <ul style="list-style-type: none"> explore the composition of each of the numbers 7 and 9 explore the composition of odd and even numbers, seeing that even numbers can be made of two odd or two even parts, and that odd numbers can be composed of one odd part and one even part identify the number that is two more or two less than a given odd or even number, identifying that two more/ less than an odd number is the next/ previous odd number, and two more/ less than an even number explore the aggregation and partitioning structures of addition and subtraction through systematically partitioning and re-combining numbers within 10 and connecting this to the part-part-whole diagram, including using the language of parts and wholes explore the augmentation and reduction structures of addition and reduction using number stories, including introducing the ‘first, then, now’ language structure 					<p>Pupils will explore the composition of numbers within 20 and their position in the linear number system. They will connect addition and subtraction expressions and equations to ‘number stories’. Pupils will:</p> <ul style="list-style-type: none"> explore the composition of the numbers 11 to 19 as ‘10 and a bit’ and compare numbers within 20 connect the composition of the numbers 11 to 19 to their position in the linear number system, including identifying the midpoints of 5, 10 and 15 compare numbers within 20 understand how addition and subtraction equations can represent previously explored structures of addition and subtraction (aggregation/ partitioning/ augmentation/ reduction) practise retrieving previously taught facts and reason about these 			
Year R (EYFS)	Mastering Number (NCETM) Year R Content Term 1: Autumn					Mastering Number (NCETM) Year R Content Term 2: Spring					Mastering Number (NCETM) Year R Content Term 3: Summer				
	<p>Pupils will build on previous experiences of number from their home and nursery environments, and further develop their subitising and counting skills. They will explore the composition of numbers within 5. They will begin to compare sets of objects and use the language of comparison. Pupils will:</p> <ul style="list-style-type: none"> identify when a set can be subitised and when counting is needed subitise different arrangements, both unstructured and structured, including using the Hungarian number frame make different arrangements of numbers within 5 and talk about what they can see, to develop their conceptual subitising skills spot smaller numbers ‘hiding’ inside larger numbers connect quantities and numbers to finger patterns and explore different ways of representing numbers on their fingers hear and join in with the counting sequence, and connect this to the ‘staircase’ pattern of the counting numbers, seeing that each number is made of one more than the previous number develop counting skills and knowledge, including: that the last number in the count tells us ‘how many’ (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1 correspondence; understanding that anything can be counted, including actions and sounds compare sets of objects by matching begin to develop the language of ‘whole’ when talking about objects which have parts 					<p>Pupils will continue to develop their subitising and counting skills and explore the composition of numbers within and beyond 5. They will begin to identify when two sets are equal or unequal and connect two equal groups to doubles. They will begin to connect quantities to numerals. Pupils will:</p> <ul style="list-style-type: none"> continue to develop their subitising skills for numbers within and beyond 5, and increasingly connect quantities to numerals begin to identify missing parts for numbers within 5 explore the structure of the numbers 6 and 7 as ‘5 and a bit’ and connect this to finger patterns and the Hungarian number frame focus on equal and unequal groups when comparing numbers understand that two equal groups can be called a ‘double’ and connect this to finger patterns sort odd and even numbers according to their ‘shape’ continue to develop their understanding of the counting sequence and link cardinality and ordinality through the ‘staircase’ pattern order numbers and play track games join in with verbal counts beyond 20, hearing the repeated pattern within the counting numbers 					<p>Pupils will consolidate their counting skills, counting to larger numbers and developing a wider range of counting strategies. They will secure knowledge of number facts through varied practice. Pupils will:</p> <ul style="list-style-type: none"> continue to develop their counting skills, counting larger sets as well as counting actions and sounds explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame compare quantities and numbers, including sets of objects which have different attributes continue to develop a sense of magnitude, e.g. knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2 begin to generalise about ‘one more than’ and ‘one less than’ numbers within 10 continue to identify when sets can be subitised and when counting is necessary develop conceptual subitising skills including when using a rekenrek 				

