UKS2							
Strand	NC Objective	Term 1		Term 2		Term 3	
		Year 5	Year 6	Year 5	Year 6	Year 5	Year 6
Number and Place Value	Count in multiples	Count forwards and backwards in steps of 10, any given number to 1 mil.		Count forwards and backwards in steps of 10, any given number to 1 mil.		Count forwards and backwards in steps of 10, any given number to 1 mil.	
	Read, write, order and compare numbers	Read, write order and compare numbers to 1 mil	Read, write order and compare numbers to 10 mil	Read, write order and compare numbers to 1 mil	Read, write order and compare numbers to 10 mil	Read, write order and compare numbers to 1 mil	Read, write order and compare numbers to 10 mil
	Place value	Determine the value of each digit in a number to 1 mil	Determine the value of each digit in a number to 10 mil.	Determine the value of each digit in a number to 1 mil	Determine the value of each digit in a number to 10 mil.	Determine the value of each digit in a number to 1 mil	Determine the value of each digit in a number to 10 mil.
	Roman numerals	Read roman numerals to 1000 (M)		Read roman numerals to 1000 (M)		Read roman numerals to 1000 (M)	
	Identify, represent, round and estimate	Round any number up to 1 mil to the nearest 10, 100, 1k, 10k and 100k	Round any whole number to a required degree	Round any number up to 1 mil to the nearest 10, 100, 1k, 10k and 100k	Round any whole number to a required degree	Round any number up to 1 mil to the neanest 10, 100, 1k, 10k and 100k	Round any whole number to a required degree
	Negative numbers	Interpret negative numbers in context, forwards and backwards	Use negative numbers in context, calculate intervals across 0	Interpret negative numbers in context, forwards and backwards	Use negative numbers in context, calculate intervals across 0	Interpret negative numbers in context, forwards and backwards	Use negative numbers in context, calculate intervals across 0
	Number Problems	Solve number oroblems and oractical oroblems	Solve number oroblems and oractical oroblems	Solve number oroblems and oractical oroblems	Solve number oroblems and oractical oroblems	Solve number oroblems and oractical oroblems	Solve number oroblems and oractical oroblems
Addition and subtraction	Add and subtract using written methods	Add and subtract whole numbers with more than 4 digits using formal written methods	Add and subtract whole numbers with more than 4 digits using formal written methods	Add and subtract whole numbers with more than 4 digits using formal written methods	Add and subtract whole numbers with more than 4 digits using formal written methods	Add and subtract whole numbers with more than 4 digits using formal written methods	Add and subtract whole numbers with more than 4 digits using formal written methods
	Estimate and use inverse	Use rounding to check answers	Use estimation to check answers	Use rounding to check answers	Use estimation to check answers	Use rounding to check answers	Use estimation to check answers
	Solve addition and subtraction problems	Solve multi-step problems deciding which operation to use and why	Solve multi-step problems deciding which operation to use and why	Solve multi-step problems deciding which operation to use and why	Solve multi-step problems deciding which operation to use and why	Solve multi-step problems deciding which operation to use and why	Solve multi-step problems deciding which operation to use and why
Properties of numbers		Identify multiples and factors including factor pairs and common factors	Identify common factors, common multiples and prime numbrs	Identify multiples and factors including factor pairs and common factors	Identify common factors, common multiples and prime numbrs	Identify multiples and factors including factor pairs and common factors	Identify common factors, common multiples and prime numbrs
	Understand the properties of numbers	Know and use the vocabulary of prime numbers, prime factors and composite (non prime) numbers		Know and use the vocabulary of prime numbers, prime factors and composite (non prime) numbers		Know and use the vocabulary of prime numbers, prime factors and composite (non prime) numbers	
		Establish whether a number to 100 is prime and recall prime numbers to 19		Establish whether a number to 100 is prime and recall prime numbers to 19		Establish whether a number to 100 is prime and recall prime numbers to 19	
		Recognise and use square numbers and cube numbers and use the correct notation		Recognise and use square numbers and cube numbers and use the correct notation		Recognise and use square numbers and cube numbers and use the correct notation	
	Mental multiplication and division	Multiply and divide numbers mentally using known facts	Perform mental calculations includind mixed operations	Multiply and divide numbers mentally using known facts	Perform mental calculations includind mixed operations	Multiply and divide numbers mentally using known facts	Perform mental calculations includind mixed operations
		Multiply and divide whole numbers and decimals by 100, 1000 and 10	Multiply and divide whole numbers and decimals by 100, 1000 and 10	Multiply and divide whole numbers and decimals by 100, 1000 and 10	Multiply and divide whole numbers and decimals by 100, 1000 and 10	Multiply and divide whole numbers and decimals by 100, 1000 and 10	Multiply and divide whole numbers and decimals by 100, 1000 and 10
Multiplication and division	Written multiplication and division	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multipl	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multiplication)	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multiplication)	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multiplication)	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multiplication)	Multiply up to 4-digit numbers by 1 or 2 digits using formal written methods (inc. long multiplication)
		Divide up to 4-dialt numbers by 1-dialt usina formal written methods includina remainders	Divide up to 4-dialt numbers by 2-dialt usina formal written methods includina remainders	Divide up to 4-dialt numbers by 1-dialt usina formal written methods includina remainders	Divide up to 4-dialt numbers by 2-dialt usina formal written methods includina remainders	Divide up to 4-dialt numbers by 1-dialt usina formal written methods includina remainders	Divide up to 4-dialt numbers by 2-dialt usina formal written methods includina remainders
		Use short and long division where appropriate	Use short and long division where appropriate	Use short and long division where appropriate	Use short and long division where appropriate	Use short and long division where appropriate	Use short and long division where appropriate
		Solve problems involving multiplication and division using kowledge of factors and multiples, squares and cubes		Solve problems involving multiplication and division using kowledge of factors and multiples, squares and cubes		Solve problems involving multiplication and division using kowledge of factors and multiples, squares and cubes	
	Solve problems	Solve problems relatina to all 4 oaerations		Solve problems relatina to all 4 oaerations		Solve problems relatina to all 4 oaerations	
		Solve problems invovina scalina, simple fractions and simple rates		Solve problems invovina scalina, simple fractions and simple rates		Solve problems invovina scalina, simple fractions and simple rates	
		Use knowledge of order of operations to solve problems		Use knowledge of order of operations to solve problems		Use knowledge of order of operations to solve problems	
	Equivalent Fractions	Recognise mixed numbers and improper fractions and convert		Recognise mixed numbers and improper fractions and convert		Recognise mixed numbers and improper fractions and convert	
		Identify, name and write equivalent fractions, represented visually including tenths and hund	Use common factors to simplify fractions, use common multiples to express fractions with the same denor	Identify, name and write equivalent fractions, represented visually including tenths and hundredths	Use common factors to simplify fractions, use common multiples to express fractions with the same denominator	Identify, name and write equivalent fractions, represented visually including tenths and hundredths	Use common factors to simplify fractions, use common multiples to express fractions with the same denc
	Comparing and ordering	Compare and order same-denominator fractions whose denominators are multiples of the s	Compare and order all fractions including >1	Compare and order same-denominator fractions whose denominators are multiples of the same number	Compare and order all fractions including >1	Compare and order same-denominator fractions whose denominators are multiples of the same number	Compare and order all fractions including >1
	Add and subtracting fractions	Add and subtract fractions with the same denominator and multiples	Add and subtract fractions with the same denominator and multiples and use equivalnt fractions to help	Add and subtract fractions with the same denominator and multiples	Add and subtract fractions with the same denominator and multiples and use equivalnt fractions to help	Add and subtract fractions with the same denominator and multiples	Add and subtract fractions with the same denominator and multiples and use equivalnt fractions to help
	Multiply and divide fractions	Multiply proper fractions and mixed numbrs by whole numbrs using objects and diagrams	Multiply simple pairs of fractions, answer in simplest form	Multiply proper fractions and mixed numbers by whole numbrs using objects and diagrams	Multiply simple pairs of fractions, answer in simplest form	Multiply proper fractions and mixed numbers by whole numbrs using objects and diagrams	Multiply simple pairs of fractions, answer in simplest form
			Divide proper fractions by whole numbers		Divide proper fractions by whole numbers		Divide proper fractions by whole numbers
	Fraction/decimal equivalence	Read and write decimal numbers as fractions	Associate fraction with division to calculate decimal fraction equivalents	Read and write decimal numbers as fractions	Associate fraction with division to calculate decimal fraction equivalents	Read and write decimal numbers as fractions	Associate fraction with division to calculate decimal fraction equivalents
		Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents		Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents		Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
	Rounding decimals	Round decimals with two decimal olaces to the nearest whole number		Round decimals with two decimal olaces to the nearest whole number		Round decimals with two decimal olaces to the nearest whole number	
	Compare and order decimals	Read, write order and compare numbers up to 3 decimal places		Read, write order and compare numbers up to 3 decimal places		Read, write order and compare numbers up to 3 decimal places	
	Multiply/Divide decimals		Identify the value of each digit to 3 decimal places, multiply and divide by 10, 100 and 1000		Identify the value of each digit to 3 decimal places, multiply and divide by 10, 100 and 1000		Identify the value of each digit to 3 decimal places, multiply and divide by 10, 100 and 1000
			Multiply 1-digit numbers with 2 decimal places by whole numbers		Multiply 1-digit numbers with 2 decimal places by whole numbers		Multiply 1-digit numbers with 2 decimal places by whole numbers
			Use written division methods where the answer has up to 2-decimal places		Use written division methods where the answer has up to 2-decimal places		Use written division methods where the answer has up to 2-decimal places
	Solve fraction/decimal problems	Solve problems which require rounding	Solve problems which require rounding	Solve problems involving numbers up to 3-decimal places	Solve problems which require rounding	Solve problems involving numbers up to 3-decimal places	Solve problems which require rounding
	Percentage	Recognise the percent symbol and understand that it means 'parts per hundred' write percer	Recall and use equivalences between fractions, decimals and percentages	Recognise the percent symbol and understand that it means 'parts per hundred' write percentage as a fractio	Recall and use equivalences between fractions, decimals and percentages	Recognise the percent symbol and understand that it means 'parts per hundred' write percentage as a fraction	Recall and use equivalences between fractions, decimals and percentages
		Solve problems which require knowing percentages and decimal equivalences	Solve problems which require knowing percentages and decimal equivalences	Solve problems which require knowing percentages and decimal equivalences	Solve problems which require knowing percentages and decimal equivalences	Solve problems which require knowing percentages and decimal equivalences	Solve problems which require knowing percentages and decimal equivalences
Ratio and proportion	Relative size and similarity		Solve problems involving relative size of 2 quatities, use integer multiplication and division facts		Solve problems involving relative size of 2 quatities, use integer multiplication and division facts		Solve problems involving relative size of 2 quatities, use integer multiplication and division facts
	Using percentage to compare		Solve problems involving calculation of percentages		Solve problems involving calculation of percentages		Solve problems involving calculation of percentages
	Scale factors		Solve problems involving similar shapes where sclae factor can be found		Solve problems involving similar shapes where sclae factor can be found		Solve problems involving similar shapes where sclae factor can be found
	Unequal sharing and grouping		Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples		Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples		Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	Missing number problems		Express missing number problems algebraically		Express missing number problems algebraically		Express missing number problems algebraically
Algebra	Simple formulae as words		Use simple formulae		Use simple formulae		Use simple formulae
	Generate linear number sequence		Generate and describe linear number sequences		Generate and describe linear number sequences		Generate and describe linear number sequences
	Number sentences with 2 unknowns		Find pairs of numbers that satisfy and equation with 2 unknowns		Find pairs of numbers that satisfy and equation with 2 unknowns		Find pairs of numbers that satisfy and equation with 2 unknowns
	Enumerate all possibilities of combinations		Enumerate possibilities of combinations of 2 variables		Enumerate possibilities of combinations of 2 variables		Enumerate possibilities of combinations of 2 variables
Measurement	Time	Solve problems involving converting between units of time		Solve problems involving converting between units of time		Solve problems involving converting between units of time	
	Convert units of measurement	Convert between different units of metric measure	Convert between different units of metric measure including to 3-decimal places	Convert between different units of metric measure		Convert between different units of metric measure including to 3-decimal places	Convert between different units of metric measure including to 3-decimal places
	Convert metric/imperial	Understand and use approximate equivalence between common metric and imperial measur	Understand and use approximate equivalence between common metric and imperial measurement	Understand and use approximate equivalence between common metric and imperial measurement	Understand and use approximate equivalence between common metric and imperial measurement	Understand and use approximate equivalence between common metric and imperial measurement	Understand and use approximate equivalence between common metric and imperial measurement
		Measure and calculate the perimeter of composite rectilinear shapes (cm,m)	Recognise that shapes with same area can have different perimeter	Measure and calculate the perimeter of composite rectilinear shapes (cm,m)	Recognise that shapes with same area can have different perimeter	Measure and calculate the perimeter of composite rectilinear shapes (cm,m)	Recognise that shapes with same area can have different perimeter
	Perimeter/Area	Calculate and compare area of rectaneles and estimate (cm. m squared)	Calculate area of parallelograms and trianales	Calculate and compare area of rectaneles and estimate (cm. m squared)	Calculate area of parallelograms and trianales	Calculate and compare area of rectaneles and estimate (cm. m squared)	Calculate area of parallelograms and trianales
			Recognise when it's possible to use formula for the area of shapes		Recognise when it's possible to use formula for the area of shapes		Recognise when it's possible to use formula for the area of shapes
	Volume	Estimate volume and capacity	Estimate, calculate and compare volume of cubes/cuboids	Estimate volume and capacity	Estimate, calculate and compare volume of cubes/cuboids	Estimate volume and capacity	Estimate, calculate and compare volume of cubes/cuboids
			Recognise when it's possible to use formula for the volume of shapes		Recognise when it's possible to use formula for the volume of shapes		Recognise when it's possible to use formula for the volume of shapes
	Solve measure word problems	Use all 4 operations to solve problems involving measure including decimals for money	Use all 4 operations to solve problems involving measure including decimals for money	Use all 4 operations to solve problems involving measure including decimals for money	Use all 4 operations to solve problems involving measure including decimals for money	Use all 4 operations to solve problems involving measure including decimals for money	Use all 4 operations to solve problems involving measure including decimals for money
		Use all 4 operations to solve problems involving measure including decimals for length	Use all 4 operations to solve problems involving measure including decimals for length	Use all 4 operations to solve problems involving measure including decimals for length	Use all 4 operations to solve problems involving measure including decimals for length	Use all 4 operations to solve problems involving measure including decimals for length	Use all 4 operations to solve problems involving measure including decimals for length
		Use all 4 operations to solve problems involving measure including decimals for mass	Use all 4 operations to solve problems involving measure including decimals for mass	Use all 4 operations to solve problems involving measure including decimals for mass	Use all 4 operations to solve problems involving measure including decimals for mass	Use all 4 operations to solve problems involving measure including decimals for mass	Use all 4 operations to solve problems involving measure including decimals for mass
		Use all 4 operations to solve problems involving measure including decimals for volume	Use all 4 operations to solve problems involvine measure includine decimals for volume	Use all 4 operations to solve problems involvine measure includine decimals for volume	Use all 4 operations to solve problems involvine measure includine decimals for volume	Use all 4 operations to solve problems involvine measure includine decimals for volume	Use all 4 operations to solve problems involvine measure includine decimals for volume
Geometry	Shape: Recognise and name	Recognise all shapes 2D and 3D	Recognise all shapes 2D and 3D	Recognise all shapes 2D and 3D	Recognise all shapes 2D and 3D	Recognise all shapes 2D and 3D	Recognise all shapes 2D and 3D
	Describe properties and classify shapes	Use properties of rectangles to deduce related facts and find missing lengths and angles	Use properties of rectangles to deduce related facts and find missing lengths and angles	Use properties of rectangles to deduce related facts and find missing lengths and angles	Use properties of rectangles to deduce related facts and find missing lengths and angles	Use properties of rectangles to deduce related facts and find missing lengths and angles	Use properties of rectangles to deduce related facts and find missing lengths and angles
		Distinguish between regular and irregular polygons by reasoning about angles and sides	Distinguish between regular and irregular polygons by reasoning about angles and sides	Distinguish between regular and irregular polygons by reasoning about angles and sides	Distinguish between regular and irregular polygons by reasoning about angles and sides	Distinguish between regular and irregular polygons by reasoning about angles and sides	Distinguish between regular and irregular polygons by reasoning about angles and sides
	Draw and plot shapes		Draw 2D shapes usina aiven dimensions and anales		Draw 2D shapes usina aiven dimensions and anales		Draw 2D shapes usina aiven dimensions and anales
		Identify 3D shapes including cubes from 2D representations	Recognise and build simple 3D shapes including making nets	Identify 3D shapes including cubes from 2D representations	Recognise and build simple 3D shapes including making nets	Identify 3D shapes including cubes from 2D representations	Recognise and build simple 3D shapes including making nets
		Know angles are measured in degrees. Estimate and compare acute, obtuse and reflex	Find unknown angles in any triangle, quadrilateral and polygon	Know angles are measured in degrees. Estimate and compare acute, obtuse and reflex	Find unknown angles in any triangle, quadrilateral and polygon	Know angles are measured in degrees. Estimate and compare acute, obtuse and reflex	Find unknown angles in any triangle, quadrilateral and polygon
	Angles - Measure and properties	Identify anales at a point and whole turn and on a point (360 deareas) and 180 dearees	Recognise anales. where they meet and find missina anales	Identify anales at a point and whole turn and on a point (360 deareas) and 180 dearees	Recognise anales. where they meet and find missina anales	Identify anales at a point and whole turn and on a point (360 deareas) and 180 dearees	Recognise anales. where they meet and find missina anales
		Draw a given angle and measure in degrees		Draw a given angle and measure in degrees		Draw a given angle and measure in degrees	
	Circles		Illustrate and name parts of a circe including radius, diameter and circumference		Illustrate and name parts of a circe including radius, diameter and circumference		Illustrate and name parts of a circe including radius, diameter and circumference
	Pattern	Within KS1 Domain	Within KS1 Domain	Within KS1 Domain	Within KS1 Domain	Within KS1 Domain	Within KS1 Domain
	Position and direction	Identify and describe position of shape following reflection or translation	Draw and translate simple shapes on co-ordinate planes and reflect across axis	Identify and describe position of shape following reflection or translation	Draw and translate simple shapes on co-ordinate planes and reflect across axis	Identify and describe position of shape following reflection or translation	Draw and translate simple shapes on co-ordinate planes and reflect across axis
			Describe positions on the full co-ordinate grid (4 quadrants)		Describe positions on the full co-ordinate grid (4 quadrants)		Describe positions on the full co-ordinate grid (4 quadrants)
	Data: interpret, represent and solve	Complete, read and interpret information in tables	Interpret and construct pie charts and line graphs	Complete, read and interpret information in tables	Interpret and construct pie charts and line graphs	Complete, read and interpret information in tables	Interpret and construct pie charts and line graphs
		Solve comparison, sum and difference problems using data froma line graph		Solve comparison, sum and difference problems using data froma line graph		Solve comparison, sum and difference problems using data froma line graph	
ental maths and times tab	Mental addition and subtraction	Add and subtract larger numbers with increasing accuracy	Add and subtract larger numbers with increasing accuracy	Add and subtract larger numbers with increasing accuracy	Add and subtract larger numbers with increasing accuracy	Add and subtract larger numbers with increasing accuracy	Add and subtract larger numbers with increasing accuracy
	Mental multiplication	Continue to calculate multiplication to x12 mentally with increased speed and accuracy	Continue to calculate multiplication to x12 mentally with increased speed and accuracy	Continue to calculate multiplication to x12 mentally with increased speed and accuracy	Continue to calculate multiplication to x12 mentally with increased speed and accuracy	Continue to calculate multiplication to x12 mentally with increased speed and accuracy	Continue to calculate multiplication to x12 mentally with increased speed and accuracy
Assessment	Ensure understanding and fluency of taught concept	Term 1 (White rose) Term 2 (NFER)	Term 1 (White rose) Term 2 (NFER)	Term 3 (White rose) Term 4 (PREVIOUS SATS)	Term 3 (White rose) Term 4 (PREVIOUS SATS)	Term 5 (White rose) Term 6 (NFER)	Term 5 (Sats) Term 6