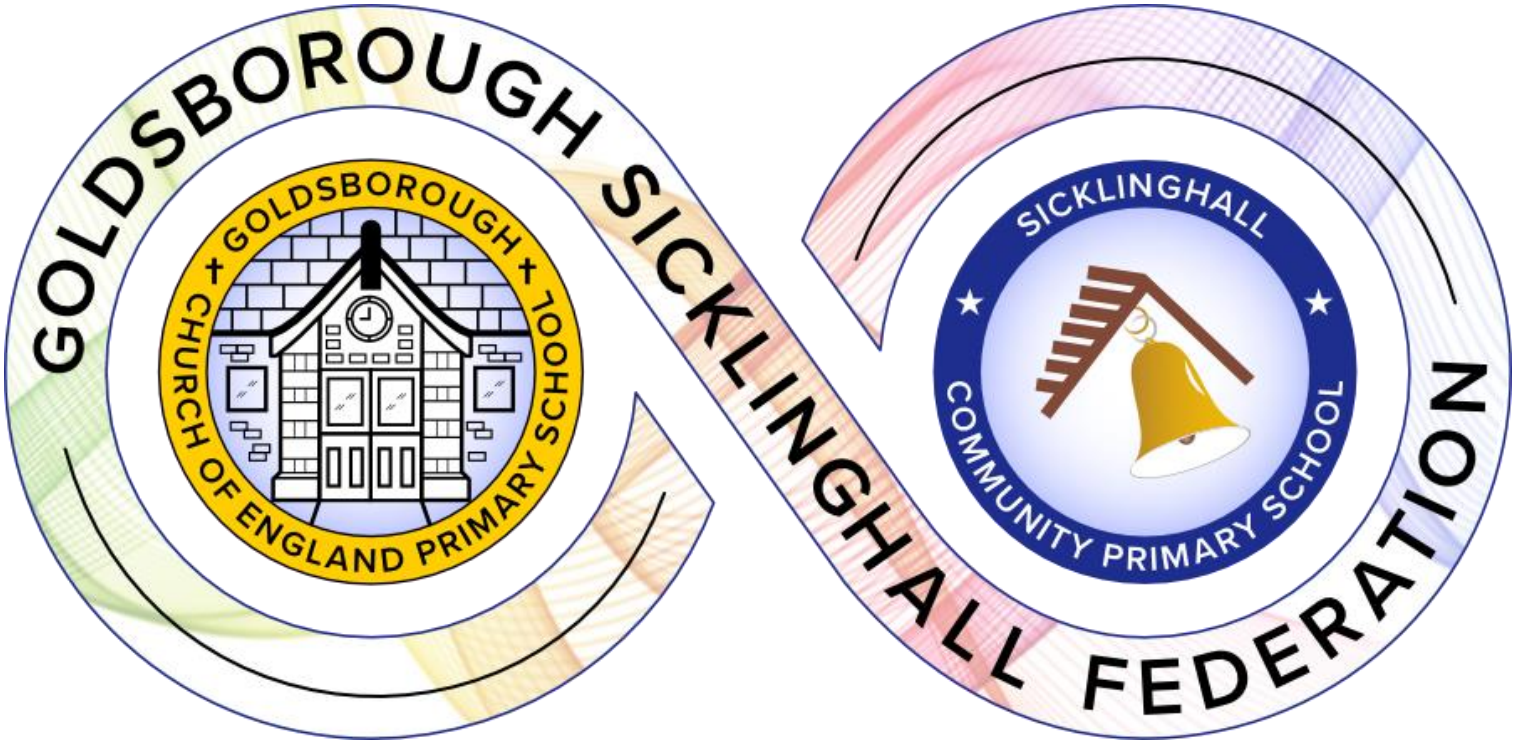

Maths progression

LONG TERM PLAN CORE Curriculum → Maths 2021-22

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Phase 1: Just Like Me Number: Matching and sorting. Comparing amounts. Spatial reasoning: Comparing size mass and capacity. Exploring simple patterns. Phase 2: It's Me 1,2,3 Number: Representing, comparing and composition of 1,2 and 3. Spatial reasoning: Circles and Triangles Positional language Phase 3: Light and Dark Number: Representing numbers to 5. One more and one less. Spatial reasoning: Shapes with four sides Time		Phase 4: Alive in 5 Number: Introducing zero. Comparing numbers to 5. Composition of 4 and 5. Spatial reasoning: Comparing mass. Comparing Capacity. Phase 5: Growing 6,7,8 Number: Representing and composition of 6, 7 and 8. Comparing numbers to 8. Making pairs. Combining two groups. Spatial reasoning: Length and Height. Time. Phase 6: Building 9 & 10 Number: Representing and composition of 9 and 10. Comparing numbers to 10. Bonds to 10. Spatial reasoning: 3D Shape. Making more complex patterns.		Phase 7: To 20 and beyond Number: Building numbers beyond 10. Counting patterns beyond 10. Spatial reasoning: Match, rotate and Manipulate. Phase 8: First, Then and Now Number: Adding more. Taking away. Spatial reasoning: Compose and Decompose. Phase 9: Find my pattern Number: Doubling. Sharing and grouping. Even and Odd. Spatial reasoning: Visualise and Build. Phase 10: On the move Number: Deepening Understanding. Patterns and Relationships. Spatial reasoning: Mapping.	
Year 1	Number: Place Value (within 20) *Sorting, counting forwards/backwards, one more/less, representations, comparing and ordering.* ***WR Y1/2, Block 1*** NCETM: Number, addition and subtraction: 1.1, 1.3, 1.4, 1.10 Number: Addition and Subtraction, inc	Continuation of Number: Addition and Subtraction (within 20) Number: Place value to 50 and multiplication *Numbers to 50, Counting in 2, 5, 10s, equal grouping, arrays, doubles.* ***WR, Y1/2, Block 3*** NCETM: Number, addition and subtraction: 1.9	Number: Division *Sharing, grouping.* ***WR, Y1/2, Block 4*** Number: Place Value to 100. *Counting, partitioning, comparing, ordering, one more/less* ***WR, Y1/2, Block 5*** NCETM: Number, addition and subtraction: 1.9 Measurement: Length and Height *Measure length, compare length and height.* ***WR, Y1/2, Block 6*** NCETM:	Geometry: Shape *Recognising/naming 2D/3D shapes, sorting, patterns.* ***WR, Y1/2, Block 7*** Number: Fractions *Halves, quarters.* ***WR, Y1/2, Block 8*** Assessment	Geometry: Position and Direction *Describing turns, movement and position.* ***WR, Y1/2, Block 9*** Measurement: Time *Ordering events, telling the time to an hour/half an hour, writing and comparing time.* ***WR, Y1/2, Block 10*** Number: Place value recap *Consolidation based on gaps/assessment*	Measurement: weight and volume *Measuring/comparing weight and mass, capacity and volume* ***WR, Y1/2, Block 12*** NCETM: Number, addition and subtraction: 1.1 Number: Four operations recap *Consolidation based on gaps/assessment* Assessment

	money (within 20) *Money, part whole models, fact families, number bonds, adding on.* *Counting back, subtraction, finding the difference, comparing.* ***WR Y1/2, Block 2*** NCETM: Number, addition and subtraction: 1.2, 1.5-1.7, 1.10, 1.11 Multiplication and division: 2.1	Assessment	Number, addition and subtraction: 1.1			
	Fluency					
	Say one more/ one less to 100. Use <, > and = Read and write numbers from 1 to 20 (numerals and words). Ordinal numbers. Use the language of: equal to, more than, less than (fewer), most, least. Use number bonds and subtraction facts to 20.	Reading and writing numbers to 50. Counting in 2s Counting in 5s Say one more/one less to 100. Comparing numbers. Consolidation of fluency related to current topic and the children's needs.	Counting in 10s Counting in 2s Doubling – understanding the basic concept. Reading and writing numbers to 100. Count to and across 100, forwards and backwards from any number. Consolidation of fluency related to current topic and the children's needs.	Patterns – creating and completing given patterns. Halving – to understand the basic concept Recognise half and quarter of an object, shape or quantity. Consolidation of fluency related to current topic and the children's needs.	Use the number bonds and subtraction facts to 20. Using the language: before and after, day, week, month and year. Sequence events in chronological order. Read time to hour & half past. Consolidation of fluency related to current topic and the children's needs.	Count in different multiples including ones, twos, fives and tens. Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Use the number bonds and associated subtraction facts to 20. Consolidation of fluency related to current topic and the children's needs.

	Consolidation of fluency related to current topic and the children's needs.					
	KIRF					
	• Count up to 20 Count on and back to 20 • One more than and one less than numbers up to 10 • Add and subtract one digit numbers to 10, including zero	I know number bonds for each number to 6	I know doubles and halves of numbers to 10.	I know number bonds to 10.	I can tell the time – to the nearest hour/half hour	I know my number bonds for each number to 10
Year 2	Number: Place Value to 100 *Counting forwards/backwards, representations, comparing and ordering.* ***WR, Y1/2, Block 1*** NCETM: Number, addition and subtraction: 1.9 Multiplication and division: 2.1 Number: Addition and Subtraction, inc money (within 100) *Money, 10 more/less, fact families, bonds to 100, adding on.*	Continuation of Number: Addition and subtraction (within 100) Number: Place value and multiplication *Counting in multiples, equal grouping, multiplication from pictures, arrays, 2, 5, 10 times tables.* ***WR, Y1/2, Block 3*** NCETM: Multiplication and division: 2.2-2.6. Assessment	Number: Division *Sharing, grouping, divide by 2,5 and 10.* ***WR, Y1/2, Block 4*** Statistics *Tally charts, pictograms, block diagrams.* ***WR, Y1/2, Block 5*** NCETM: Number, addition and subtraction: 1.12 Measurement: Length and Height *Measure length involving units, comparing and ordering, the four operations involving length.* ***WR, Y1/2, Block 6***	Geometry: Properties of a shape *Recognising 2D/3D shapes, shape properties, sorting, patterns.* ***WR, Y1/2, Block 7*** Number: Fractions *Equal parts, halves, quarters, thirds, unit& non-fractions, counting in fractions.* ***WR, Y1/2, Block 8*** NCETM: Fractions 3.0 Assessment	Geometry: Position and Direction *Describing turns and movement, making patterns with shape.* ***WR, Y1/2, Block 9*** Measurement: Time *Telling the time to 5m, hours and days, finding and comparing durations of time.* ***WR, Y1/2, Block 10*** Number: Problem solving *Consolidation based on gaps/assessment*	Measurement: Mass, Capacity and Temperature *Measuring/comparing mass in g/kg, comparing capacity, millilitres and litres, temperature.* ***WR, Y1/2, Block 12*** Number: Investigations *Consolidation based on gaps/assessment* Assessment

	Subtracting with 2 digits, finding change, finding the difference, comparing, problems solving. ***WR, Y1/2, Block 2*** NCETM: Number, addition and subtraction: 1.2, 1.8, 1.7, 1.9, 1.11, 1.13, 1.14, 1.15, 1.16 Multiplication and division: 2.1		NCETM: Number, addition and subtraction: 1.1			
	Fluency					
	Reading and interpreting part whole model. Reading and writing numbers to 100 in numerals and words. Use <, > and = to compare and order numbers to 100. Partitioning – recognise place value of any 2 digit number. Recall and use +/- facts to 20. 10 more/less than any given number.	Derive and use related facts to 100. Reading and interpreting bar models Counting in 2s, 5s and 10s from any given numbers (forwards and backwards) Recall and use multiplication and division facts for 2, 5 and 10 tables. Recall and use +/- facts to 20 Recall and use inverse (+/-)	Classifying/sorting odd and even numbers Counting in 2s, 5s and 10s Using <, > and = to compare numbers to 100. Consolidation of fluency related to current topic and the children's needs.	Naming 2D shapes Sorting Read and interpret bar models Halve simple numbers via partitioning Recognise, find, name and write 1/3; ¼; 2/4; ¾ Write and recognise equivalence of simple fractions. Consolidation of fluency related to current topic and the children's needs.	Tell time to five minutes, including quarter past/to Fluency based on the children's needs with the SATS in mind.	Reading and writing numbers to a thousand (numerals and words). Comparing numbers to 1000 Doubling simple numbers via partitioning. Consolidation of fluency related to current topic and the children's needs.

	Consolidation of fluency related to current topic and the children's needs.	Consolidation of fluency related to current topic and the children's needs.				
	KIRF					
	I can count on and back in 10s and 1s from any given number (below 3 digits	I know doubles and halves of numbers to 20	I know the multiplication and division facts for the 2 times table	I know the multiplication and division facts for the 10 times table.	I can tell the time - To the nearest 5minutes.	I know the multiplication and division facts for the 5 times table
Year 3	Number: Place Value (Numbers to 1,000) *Counting, representation, finding 1,10, 100 more/less, comparing and ordering* ***WR, Y3/4, Block 1*** NCETM: Number, addition and subtraction: 1.17, 1.18 Number: Addition and Subtraction, inc money (within 1,000) *Adding/subtracting multiples, adding/subtracting up to two 3 digit numbers, estimating and checking.* ***WR, Y3/4, Block 2***	Continuation of Number: Addition and Subtraction, inc money (within 1,000 Number: Multiplication and division *Equal groups, multiply/divide by 3, 4, and 8, comparing number statements and related calc. Factor pairs* ***WR, Y3/4, Block 3*** NCETM: Multiplication and division: 2.6-2.8 Assessment	Number: Multiplication and Division *Multiply 2 d by 1d, divide 2d by 1 d. Scaling, Correspondence* ***WR, Y3/4, Block 4*** NCETM: Multiplication and division: 2.6, 2.8, 2.13, 2.14, 2.15, 2.17, 2.19 Measurement: Length, Perimeter and Area *Measure/compare length, converting between mm, cm and m, add/subtract length, perimeter.* ***WR, Y3/4, Block 5*** NCETM: Multiplication and division: 2.16 Number: Fractions	Continuation of Number: Fractions Measurement: Mass and Capacity *Tenths as decimals, measuring/comparing mass and capacity, add/subtract mass and capacity.* ***WR, Y3/4, Block 7*** Assessment	Number: Decimals, inc Money. *Writing and comparing money, converting between £ and p, adding/subtracting and giving change* ***WR, Y3/4, Block 8*** Measurement: Time *Converting time (months, years, day), analogue/digital, finding and comparing durations.* ***WR, Y3/4, Block 9*** Statistics *Pictograms, bar charts, tables* ***WR, Y3/4, Block 10***	Continuation of Statistics Geometry: Properties of Shape *Turns and angles, right angles in shapes, comparing angles, drawing and classifying lines, recognising and describing 2D/3D shape.* ***WR, Y3/4, Block 11*** Assessment

	NCETM: Number, addition and subtraction: 1.18-1.21		*Recognising unit/non unit fractions, equivalent fractions, compare and order, fractions of an amount, add/subtract fractions.* ***WR, Y3/4, Block 6*** NCETM: Fractions: 3.1, 3.2, 3.6, 3.3, 3.4, 3.7			
	Fluency					
	10 or 100 more/ less than a given number. Read and write numbers to 1000 in digits and words. Compare and order numbers to 1000 using <, > and = Recognise place value of any 3-digit number. Consolidation of fluency related to current topic and the children's needs.	Count from 0 in multiples of 4, 8, 50 and 100. Recall and use multiplication and division facts for 3, 4 and 8 tables. Estimate and use inverses to check. Read and interpret bar models. Consolidation of fluency related to current topic and the children's needs.	Multiplying and dividing by 10. Comparing using <, > and =. Counting in tenths. Fractions on a number line. Fractions of a set of objects. Consolidation of fluency related to current topic and the children's needs.	Count up/down in tenths. Compare and order fractions with the same denominator. Add and subtract fractions with the same denominator within one whole. Multiply and divide by 1000. Convert between g and kg. Consolidation of fluency related to current topic and the children's needs.	To multiply and divide by 100. Convert between £ and p Know days in each month and the number of seconds in a minute. To tell the time using 12/24 hour clocks; using roman numerals. Telling the time to the nearest minute. Consolidation of fluency related to current topic and the children's needs.	Recall and use multiplication and division facts for 3, 4 and 8 tables. Number of degrees in a right angle. Naming 2D and 3D shapes. Consolidation of fluency related to current topic and the children's needs.
	KIRF					
	I can count on and back in 10s and 1s from any	I can double and halve even	I can recall facts about durations of time.	I can tell the time – to the nearest 5 minutes	I can count in steps of 50 and 100 from any number	I know the multiplication and division facts for the 3, 4 and 8 times table

	given number (below 3 digits)	numbers up to and including 100				
Year 4	Number: Place Value (Numbers to 10,000) *Roman numerals, Counting, partitioning, 1,000 more/less, rounding, comparing and ordering, negative numbers.* ***WR, Y3/4, Block 1*** NCETM: Number, addition and subtraction: 1.17, 1.22, 1.27 Number: Addition and Subtraction (Numbers within 10,000) *Adding/subtracting 1s, 10s, 100s and 1000s, adding/subtracting up to two 4 digit numbers, estimating and checking.* ***WR, Y3/4, Block 2*** NCETM: Number, addition and subtraction: 1.20, 1.21, 1.22	Continuation of Number: Addition and Subtraction (Numbers within 10,000) Number: Multiplication and division *Multiply/divide by 6, 7, and 9, know the 11/12 times tables, multiply/divide by 10, 100 1 and 0, Multiply 3 numbers, efficient multiplication.* ***WR, Y3/4, Block 3*** NCETM: Multiplication and division: 2.6, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15 Assessment	Number: Multiplication and Division *Written methods, multiply up to 3d by 1d, divide up to 3d by 1 d, correspondence problems* ***WR, Y3/4, Block 4*** Measurement: Length, Perimeter and Area *Kilometres, perimeter, area.* ***WR, Y3/4, Block 5*** NCETM: Multiplication and division: 2.16 Number: Fractions, inc Money. *Counting in fractions, equivalent fractions, fractions of a quantity, problem solving, add/subtract fractions.* ***WR, Y3/4, Block 6*** NCETM: Fractions: 3.0, 3.4, 3.5, 3.7	Continuation of Number: Fractions, inc. Money Number: Decimals *Recognise tenths/hundredths, Place value, dividing by 10 and 100.* ***WR, Y3/4, Block 7*** NCETM: Number, addition and subtraction: 1.23-1.24 Assessment	Number: Decimals, inc. Money. *Decimals, ordering/estimating money, four operations* ***WR, Y3/4, Block 8*** NCETM: Number, addition and subtraction: 1.22, 1.25 Measurement: Time *Converting time, converting analogue to digital – 12/24hr* ***WR, Y3/4, Block 9*** Statistics *Bar charts, line graphs* ***WR, Y3/4, Block 10***	Continuation of Statistics Geometry: Properties of Shape, Position and Direction. *Identifying, comparing and ordering angles, 2D shape – triangles, quadrilaterals, symmetry, co-ordinates.* ***WR, Y3/4, Block 11*** Assessment
	Fluency					
	1000 more/less	Develop knowledge of multiplication to 12x12	Use the inverse operations to check answers to a	Convert between decimals and fractions for	Convert between £ and p	To classify angles: acute, reflex, equilateral, obtuse

	Read and write numbers to 1000/10,000 Compare and order numbers beyond 1,000. Count backwards through zero to negative numbers. Rounding to nearest 10, 100, 1000. Identify place value of each digit in a 4 digit number Partitioning numbers in different ways Read roman numerals to 100. Consolidation of fluency related to current topic.	Count on in 10s from any given number Multiply and divide by 10,100 and 1000 Count in multiples of 6, 7, 9, 25 and 1000. Consolidation of fluency related to current topic.	calculation – number fact families. Count up/down in hundredths Read and draw given fractions Recognise and write equivalent fractions. Add/subtract fractions with the some denominator. Finding fractions of an amount Fractions which make 1 whole Consolidation of fluency related to current topic.	hundredths and tenths – 0.1=1/10 Value of each digit in a number with up to 2dp Compare and order numbers with up to 2dp Rounding decimals to 2dp Complete part-whole models with decimals to 1 whole Consolidation of fluency related to current topic.	Convert between measures of time Read, write and convert time between analogue and digital 12 and 24 hour clocks. Draw the time accurately to the nearest minute using an analogue clock Calculate durations of time using a numberline Consolidation of fluency related to current topic.	Order angles according to size Label triangles based on their properties Convert between units of measurement Consolidation of fluency related to current topic.
	KIRF					
	I know number bonds to 100	I know the multiplication and division facts for the 6 times table	I can recognise decimal equivalents of fractions.	I know the multiplication and division facts for the 9x and 11x tables.	I know the multiplication and division facts for the 7x and 12x tables.	I can multiply and divide single-digit numbers by 10 and 100.

Year 5						
	Number: Place Value *Roman numerals, representing comparing, ordering and rounding numbers to 1,000,000, counting, negative numbers.* ***WR, Y5/6, Block 1*** NCETM: Numbers, addition and subtraction: 1.26, 1.27 Number: Four Operations *Addition and subtraction (4digits), multiples, multiply/divide by multiples of 10, multiplication up to 4d x 2d, factors, division (4d by 1d), prime/square/cubes, estimating* ***WR, Y5/6, Block 2*** NCETM: Numbers, addition and subtraction: 1.20, 1.21, 1.22, 1.28, 1.29 NCETM: Multiplication and division: 2.9, 2.13, 2.18, 2.19, 2.20, 2.21	Continuation of Number: Four Operations Number: Fractions *Equivalent fractions, improper/mixed fractions, counting, comparing and ordering fractions, adding/subtract/multiply fractions, fractions of an amount.* ***WR, Y5/6, Block 3*** NCETM: Fractions: 3.5, 3.6, 3.7, 3.8 Assessment	Number: Fractions Number: Decimals and Percentages *Decimals to 3dp, round, order and compare, multiply/divide by powers of 10, percentages.* ***WR, Y5/6, Block 5*** NCETM: Numbers, addition and subtraction: 1.23, 1.24 Fractions: 3.10 Number: Decimals *Adding, subtracting, decimals within 1, adding/subtracting decimals (same d.p), decimal sequences* ***WR, Y5/6, Block 6*** NCETM: Numbers, addition and subtraction: 1.23, 1.24 Multiplication and division: 2.19, 2.29 Measurement: Converting Units *Metric measures, kg/km, mg/ml, imperial measures, converting units of time.* ***WR, Y5/6, Block 7***	Measurement: Perimeter, Area and Volume *Measure/calculate perimeter and area, Volume, capacity.* ***WR, Y5/6, Block 8*** NCETM: Multiplication and division: 2.16, 2.20 Statistics *Read/interpret/draw/use line graphs, tables,* ***WR, Y5/6, Block 9*** NCETM: Numbers, addition and subtraction: 1.28, 1.29 Assessment	Geometry: Properties of Shape *Measuring angles, angles on a straight line/in shapes, regular/irregular polygons, drawing shapes, reasoning 3D shapes* ***WR, Y5/6, Block 10*** NCETM: Numbers, addition and subtraction: 1.28 Geometry: Position and Direction *Position in the first quadrant, reflection/translation with co-ordinates* ***WR, Y5/6, Block 11*** NCETM: Numbers, addition and subtraction: 1.27 Problem Solving and Reasoning: steps to follow and efficient methods. Consolidation: Fractions, Percentages, Decimals	Consolidation: Ratio Consolidation: Place Value Consolidation: Converting Units
	Fluency					

	Compare and order numbers up to 1, 000,000 Count forwards/backwards in steps of powers of 10 for any given number to 1,000,000. Read and write numbers to 1000/10,000 Rounding to nearest 10, 100, 1000 Identify place value of each digit of any number to 1,000,000. Recall prime numbers to 19. Read roman numerals up to 1000. Count forwards and backwards including negative numbers through zero. Consolidation of fluency related to current topic.	Develop knowledge to 12x12 Multiply and divide by 10,100 and 1000 Use rounding to check answers. Recognise mixed numbers and improper fractions and convert from one to another. Multiply proper fractions and mixed number by whole numbers. Identify and write equivalent fractions. Consolidation of fluency related to current topic.	Compare and order numbers with up to 3 decimal places. Count in hundredths and thousandths Recognise and use thousandths. Round decimals with 2dp to the nearest whole number and 1 dp. List equivalent fractions Find non-unit fractions of an amount Consolidation of fluency related to current topic.	Value of each digit in a number with up to 3dp. Compare and order numbers with 3 decimal places. Complete part-whole models with decimals to 1 whole Equivalence between fractions, decimals and percentages Consolidation of fluency related to current topic.	Convert between £ and p Convert between measures of time Tell the time accurately to the nearest minute using an analogue clock Draw the time accurately to the nearest minute using an analogue clock Calculate durations of time using a number line Conversion of 12 hour to 24hr clock Consolidation of fluency related to current topic.	Identify and order angles according to size Identify triangles and quadrilaterals according to properties Measuring and drawing angles accurately Convert between units of measurement Consolidation of fluency related to current topic.

	KIRF					
	I know decimal number bonds to 1 and 10	I know the multiplication and division facts for all times tables up to 12 × 12	I can identify prime numbers up to 20	I can recall metric conversions	I can recall square numbers up to 12^2 and their square roots.	I can find factor pairs of a number
Year 6	Number: Place Value *Representing comparing, ordering and rounding numbers to 10,000,000, negative numbers* ***WR, Y5/6, Block 1*** NCETM: Numbers, addition and subtraction: 1.26, 1.30 Number: Four Operations *Addition and subtraction, common multiples, multiplication up to 4d x 2d, common factors, division, prime/squares/cubes, estimating.* ***WR, Y5/6, Block 2*** NCETM: Numbers, addition and subtraction: 1.20, 1.21, 1.30 NCETM: Multiplication and division: 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.28	Continuation of Number: Four Operations Number: Fractions *Equivalent/simplifying fractions, comparing and ordering fractions, adding/subtract/multiply/divide fractions, four rules with fractions, fractions of an amount.* ***WR, Y5/6, Block 3*** NCETM: Fractions: 3.5, 3.6, 3.7, 3.8, 3.9 Assessment	Number: Ratio *Ratio language, calculating ratio/scale factors, problem solving* ***WR, Y5/6, Block 4*** NCETM: Multiplication and division: 2.27 Number: Decimals and Percentages *Decimals to 3dp, multiply/divide by powers of 10, fractions to decimals, percentages, percentages of an amount.* ***WR, Y5/6, Block 5*** NCETM: Numbers, addition and subtraction: 1.24 Multiplication and division: 2.19, 2.28 Fractions: 3.10 Number: Algebra *Finding a rule, expressions/substitution, formulae, equations* ***WR, Y5/6, Block 6*** NCETM: Numbers, addition and	Measurement: Perimeter, Area and Volume *Measure/calculate perimeter and area, area of a triangle/parallelogram, volume* ***WR, Y5/6, Block 8*** NCETM: Multiplication and division: 2.16, 2.20, 2.30 Statistics *Read/interpret/draw/use line graphs, circles, pie charts, averages (mean).* ***WR, Y5/6, Block 9*** NCETM: Numbers, addition and subtraction: 1.28 Multiplication and division: 2.26 Fractions: 3.10 Assessment	Geometry: Properties of Shape *Measuring with a protractor, calculating angles, angles in a triangle/quadrilateral/ polygon, drawing shapes, nets of 3D shapes* ***WR, Y5/6, Block 10*** NCETM: Numbers, addition and subtraction: 1.28 Geometry: Position and Direction *Position in the four quadrants, reflections/translations.* ***WR, Y5/6, Block 11*** NCETM: Numbers, addition and subtraction: 1.27 SATS Problem Solving and Reasoning: steps to follow and efficient methods. Consolidation: Fractions, Percentages, Decimals	Consolidation: Ratio Consolidation: Place Value Consolidation: Converting Units

			subtraction: 1.28, 1.31 Measurement: Converting Units *Metric/imperial measures, miles and kilometres.* ***WR, Y5/6, Block 7***			
	Fluency					
	Compare and order numbers up to 10,000,000 Read and write numbers to 10,000,000 Rounding any whole number to a required degree of accuracy. Identify place value of each digit in a number to 3dp. Use negative numbers in context and calculate intervals across zero. Partitioning numbers in different ways Consolidation of fluency related to current topic.	Multiply and divide by powers of 10. Identify common factors, common multiples, square, cubed and prime numbers. +/- fractions with different denominators and mixed numbers. Multiply simple pairs of proper fractions, writing the answer in the simplest form. Divide proper fractions by whole numbers. Consolidation of fluency related to current topic.	Multiply and divide by 10, 100 and 1000. Find equivalent fractions, decimals and percentages. Calculate % of a whole number. Order fractions, decimals and percentages. Converting between units. Using the inverse operation to check calculations. Consolidation of fluency related to current topic.	Multiplying 3 numbers. Finding the mean. Calculating percentages. Naming the parts of circles, including radius, diameter and circumference. Converting between units for area, perimeter and volume. Consolidation of fluency related to current topic. Develop knowledge of times table facts to 12x12.	Fluency based on the children's needs with the SATS in mind.	Partitioning Reading, writing and ordering numbers. Rounding numbers to support estimation. Consolidate knowledge to 12x12 Consolidation of fluency related to current topic.

	KIRF				
	I know the multiplication and division facts for all times tables up to 12 × 12	I can identify common factors of a pair of numbers	I can convert between decimals, fractions and percentages	I can identify prime, and composite numbers up to 50.	Summer term revision ✓ I know decimal number bonds to 1 and 10 ✓ I know the multiplication and division facts for all times tables up to 12 × 12 ✓ I can identify prime numbers up to 20. ✓ I can recall metric conversions ✓ I can recall square numbers up to 12^2 and their square roots. ✓ I can find factor pairs of a number ✓ I can identify common factors of a pair of numbers ✓ I can convert between decimals, fractions and percentages. ✓ I can identify prime, and composite numbers up to 50

For the NCETM spine explanations in relation to the WR planning please see the relevant document with the following **link.**