Mathematics Curriculum Progression in Skills

	TERM 1: AUTUMN TERM		TERM 2: SPRING TERM		TERM 3: SUMMER TERM	
YEAR GROUP	T1a	T1b	T2a	T2b	T3a	T3b
NURSERY -Problem solving, reasoning and curiosity about numbers runs throughout the year. -Variety and range of language runs throughout the year.	-counting forwards and backwards -1-1 correspondence counting -making sets -colours/shapes/sizes -represents numbers with fingers and marks -sorting and matching -comparing sets/numbers/sizes -more and less -recognises numbers of personal significance -patterns and attributes (matching/following)		-counting forwards and backwards -1-1 correspondence counting -counting an irregular collection of objects -making sets -matching quantities to numerals -colours/shapes/sizes -sorting and matching -comparing sets/numbers/sizes -more and less -same and different -recognises numerals 0-5 6-10 -ordering -patterns and attributes (matching/following/describing		-counting forwards and backwards -1-1 correspondence counting -counting an irregular collection of objects -estimates and checks -making sets -adding totals -matching quantities to numerals -colours/shapes/sizes -sorting and matching -comparing sets/numbers/sizes -more and less -same and different -recognises numerals 0-5 6-10 -ordering -patterns and attributes (matching/following/describing/continuing)	
RECEPTION	**Baseline Number: Place Value** 1-5 Also linked 2D	**Addition and subtraction –** Sorting into groups **Number and**	**Number and Place Value** 6-10 Introduction to	**Geometry** – Spatial Awareness -3D Shape -2D Shape	**Addition and Subtraction** -Adding by counting on -Taking away by	**Number and Place Value** – Counting to 20 **Geometry** -Complex patterns

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	Shape and Money	**Place Value** -Comparing identical and non-identical groups - Comparing groups up to 10 **Addition and Subtraction** -One more -One less **-Number bonds to 5** Introduction to repeating patterns	Doubling **Measurement** –Time -Length, height and distance **Geometry** – 3D Shapes **Measurement** - Money	-Exploring Patterns **Addition and Subtraction** – Combining 2 groups to find the whole -Number bonds to 10 using tens frame -Number bonds to 10 using part-whole model **Measurement** -Weight -Capacity	counting back **Number and Place Value** – Counting to 20 **Multiplication and Division** –Doubling -Halving and Sharing -Odds and Evens	-2D Shapes -3D Shapes **Measurement** -Height -Time
YEAR 1	**Number: Place Value to 10** Sorting and counting objects Read, write and order numbers Counting one more and one less Ordinal numbers Using number	**Geometry: Shape** Naming, sorting and describing 3D and 2D shapes **Number: Place Value to 20** Count to 20 forwards and backwards	**Number: Addition and Subtraction to 20** Represent and use number bonds within 20 Add by counting on Add by making 10 Subtraction	**Number: Place Value to 50 (Multiples of 2, 5 and 10)** Compare and order numbers to 50 Partition into tens and ones One more and one less Count in 10s, 2s and	**Number: Multiplication and Division** Count in 2s 5s and 10s Make and add equal groups Make arrays Make doubles Make groups (grouping and sharing)	**Number: Place Value to 100** Count to 100 Partitioning, comparing and ordering numbers to 100. One more and one less **Measurement: Money** recognise and know

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	lines and manipulatives **Number: Addition and Subtraction to 10** Part whole model Number bonds to 10 Representing number stories Fact families	Identify and represent numbers to 20 including using number line Understand and partition numbers to 20, including into tens and ones. Compare and order sets and numbers	(crossing 10) Related facts Compare number sentences Problem solving **Number: Place Value to 50 (Multiples of 2, 5 and 10)** Count to 50 forwards and backwards Find one more and one less Represent and partition numbers into tens and ones	5s **Measurement: Length and Height** Compare, describe and solve practical problems **Weight and Volume** Compare, describe and solve practical problems	Solve problems **Number: Fractions** Recognise, find and make a half and a quarter of a shape, object, or quantity **Geometry: Position and Direction** Describe position, direction and movement, including whole, half, quarter and three quarter turns	the value of different denominations of coins and notes **Measurement: Time** tell the time to the hour and half past the hour and draw the hands on a clock face to show these times
YEAR 2	**Number: Place Value** Count and represent objects to 100 Partition into tens and ones Use a place value chart Compare and order	**Number: Addition and Subtraction** Add and subtract a 2digit and a 1 digit number Add and subtract a 2digit and a 2 digit	**Number: Multiplication and Division** 2 5 and 10 times tables, odd and even Make equal groups (sharing and grouping)	**Geometry: Properties of Shape** Identify and describe the properties of 2-Dshapes (inc lines of symmetry), and 3D shapes Compare and sort common 2-D and	**Geometry: Position and Direction** Describe movement and turns Make patterns and shapes **Problem solving: efficient methods** Problem solving, problem of the day, **Measurement:**	**Measurement: Mass, Capacity and Temperature** Compare mass Measure mass in grams Measure mass in kilograms Compare volume Millilitres

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	sets and numbers Count in 2s, 3s, 5s and 10s **Number: Addition and Subtraction** Fact families, bonds to 20 Bond to 100 (tens) 10 more and 10 less Add and subtract tens	number Bonds to 100 (tens and ones) **Measurement: money** Recognise and use £ and p and combine amounts to make a value Solve problems with money inc finding totals and change **Number: Multiplication and Division** Recognise, make and add equal groups Use arrays 2 5 and 10 times tables	Divide by 2, 5 and 10 **Statistics (within other curriculum areas, mainly Computing)** Tally charts, pictogram and block diagrams Ask and answer questions about data	3-D shapes **Number: Fractions** Recognise, find, name and write fractions 1/2, 1/3, 1/4 , 2/4 and ¾ of a length, shape, set of objects or quantity Unit fractions and non-unit fractions Count in fractions **Measurement: Length and Height** Measure length (cm) Measure length (m) Compare lengths Order lengths Four operations with lengths	**Time** Tell the time to o'clock and half past, quarter past and quarter to Telling time to 5 minutes Hours and days Find and compare durations of time	Litres Temperature **Investigations** Application and consolidation
YEAR 3	**Number: Place Value** Place value in 3-digit numbers Represent and compare	**Number: Addition and Subtraction** Add and subtract a 3-digit and 2-	**Number: Multiplication and Division** Multiply a 2 digit number by a 1	**Measurement: Length and Perimeter** Measure, compare, add and subtract: lengths(m/cm/mm);	**Number: Fractions** Equivalent fractions Compare fractions Order fractions Add fractions Subtract fractions	**Geometry: Properties of Shape** *(carousel)* Turns and angles Right angles in shapes

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	numbers to 1000 Numberlines and different representations Find 1 10 and 100 more Order numbers Count in 50s **Number: Addition and Subtraction** Add and subtract multiples of 100 Add and subtract a 3-digit and 1-digit number	digit number Add and subtract a 3-digit and 3-digitnumber **Number: Multiplication and Division** Recall and use multiplication facts for the 3,4 and 8 times tables Multiply and divide by 3,4 and 8 Compare statements and related calculations	digit Divide a 2-digit number by a 1 digit Problem solving Integer scaling **Measurement: Money** Add and subtract amounts of money Work out change **Statistics** Interpret and present data using bar charts, pictograms and tables	Measure the perimeter of simple 2- D shapes. **Number: Fractions** Unit and non-unit Fractions Making the whole Tenths Fractions on a numberline Fractions of a set of objects	**Measurement: Time** Months and years Hours in a day Telling the time to 5 minutes, 1 minute Using a.m. and p.m. 24-hour clock Finding the duration Comparing durations Start and end times Measuring time in seconds	Compare angles Draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2D shapes Recognise and describe 3-D shapes Make 3-D shapes **Measurement: Mass and Capacity** Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)
YEAR 4	**Number: Place Value** Place Value of 4-digit numbers: Identify, represent and estimate order and compare	**Measurement: Length and Perimeter** Kilometres Perimeter of a grid, rectilinear shapes **Number: Multiplication**	**Number: Multiplication and Division** multiplying together three numbers recognise and use factor pairs	**Number: Fractions** solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, add and subtract	**Number: Decimals** round decimals with one decimal place to the nearest whole number compare numbers with the same number of decimal places	**Statistics** **Geometry: Properties of Shape** compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and

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	and partition, rounding to the nearest 10, 100 and 1000 using concrete, pictorial and abstract Numberline to 10,000 Roman Numerals Negative numbers Count in 25s **Number: Addition and Subtraction** Addition and Subtraction of numbers up to 4 digits using column methods when appropriate Estimate and use inverse to check Problem solving (2-step) and reasoning	**and Division** recall multiplication and division facts for multiplication tables up to 12 × 12	and commutativity multiply two-digit and three-digit numbers by a one-digit number using formal written layout solve problems, integer scaling problems and harder correspondence problems **Measurement: Area** Find the area of rectilinear shapes by counting squares. **Number: Fractions** recognise and show families of common equivalent fractions	fractions with the same denominator recognise and write decimal equivalents of any number of tenths or hundredths **Number: Decimals** recognise and write decimal equivalents to find the effect of dividing a one- or two-digit number by 10 and 100,	**Measurement: Money** solve simple measure and money problems involving fractions and decimals to two decimal places **Measurement: Time** Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	sizes identify acute and obtuse angles and compare and order angles up to two right angles by size identify lines of symmetry in 2-D shapes complete a simple symmetric figure **Geometry: Position and Direction** describe positions on a 2-D grid as coordinates in the first quadrant describe movements between positions as translations of a given unit to the left/right and up/down plot specified points and draw sides to complete a given polygon.

			count up and down in hundredths;			