Year 2	KS1 National Curriculum	8	n of Skills and Vocabu				
ICAI 2	The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the 4 operations, including with practical resources [for example, concrete objects and measuring tools].						
	At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary. Teaching should also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.						
	By the end of Year 2 pupils should:						
	* Recognise the place value of each digit in two-digit numbers. *Reaso		leason about the location of any two-digit number	on about the location of any two-digit number in a linear number system.			
	*Secure fluency in addition and subtraction fact within 10, through practice. *Add and subtract across 10.						
	*Recognise the subtraction structure of 'difference' and answer "How many more" *Add and subtract within 100 by applying one-digit addition and subtraction facts.						
	*Add and subtract any 2-digit numbers within 100.		ecognise repeated addition contexts, representing them with multiplication equations.				
	*Use precise language to describe the properties of 2-D and 3-D shapes.						
	TEACH – MODEL – US	E MANIPULATIVES – RE	ECORD – INVESTIGATE – MAS	TER - REPEAT			
Year 2	Number –	Number –	Number –	Number			
			Number	Number –	Algebra		
- -	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Algebra		
	Number and Place ValueCountingTo count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward.		20 Multiplication and Division Multiplication and Division Facts To count in steps of 2, 3 and 5 from 0 and in 10s	Fractions Counting in Factional Steps To count in fractions up to 10, starting from any number and	Equations To recognise and use the inverse relationship		
Maths Skills	Counting To count in steps of 2, 3 and 5 from 0, and in 10s from any	Addition and Subtraction Number Bonds Recall and use addition and subtraction facts to 1 fluently, and derive and use related facts up to 1 Problem Solving To solve problems with addition and subtraction -using concrete objects and pictorial representation	Multiplication and Division20Multiplication and Division Facts20To count in steps of 2, 3 and 5 from 0 and in 10s from any number, forward and backward.20Mental Calculation21To show that multiplication of two numbers can be done in any order (commutative) and division	FractionsCounting in Factional StepsTo count in fractions up to 10,starting from any number andusing the ½ and 2/4 equivalenceon the number line.Recognising Fractions	Equations To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number		
	 Counting To count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward. Comparing Numbers To compare and order number from 0 up to 100; use <, > and = signs. Identifying, Representing and Estimating Numbers To identify, represent and estimate numbers using different 	Addition and Subtraction Number Bonds Recall and use addition and subtraction facts to a fluently, and derive and use related facts up to 1 Problem Solving To solve problems with addition and subtraction -using concrete objects and pictorial representat including those involving numbers, quantities ar measuresapplying their increasing knowledge of mental a	Multiplication and Division20Multiplication and Division Facts20To count in steps of 2, 3 and 5 from 0 and in 10s from any number, forward and backward.20Mental Calculation21To show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.22Written Calculation	FractionsCounting in Factional StepsTo count in fractions up to 10,starting from any number andusing the ½ and 2/4 equivalenceon the number line.Recognising FractionsTo recognise, find, name andwrite factions 1/3, ¼, 2/4 and ¾of a length, shape, set of objects	Equations To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. To recall and use additio		
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	 Counting To count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward. Comparing Numbers To compare and order number from 0 up to 100; use <, > and = signs. Identifying, Representing and Estimating Numbers To identify, represent and estimate numbers using different representations, including the number line. Reading and Writing Numbers To read and write numbers to at least 100 in numerals and words. Understanding Place Value To recognise the place value of each digit in a two-digit number (10s, 1s). Problem Solving 	Addition and Subtraction Number Bonds Recall and use addition and subtraction facts to a fluently, and derive and use related facts up to 1 Problem Solving To solve problems with addition and subtraction -using concrete objects and pictorial representation including those involving numbers, quantities ar measuresapplying their increasing knowledge of mental a written methods. Number Bonds To recall and use addition and subtraction facts of fluently, and derive and use related facts up to 1 Mental Calculation Add and subtract numbers using concrete object Inverse Operations, Estimating and Checking Answers To recognise and use the inverse relationship be addition and subtraction and use this to check calculations and solve missing number problems	Multiplication and Division Facts20To count in steps of 2, 3 and 5 from 0 and in 10s from any number, forward and backward.20Mental Calculation21To show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.22Written Calculation To calculate mathematical statements for multiplication and division within the multiplication (x), division (/) and equal (=) signs.23Problem Solving To solve problems involving multiplication and division facts, including problems in contexts.	FractionsCounting in Factional StepsTo count in fractions up to 10, starting from any number and using the ½ and 2/4 equivalence on the number line.Recognising Fractions To recognise, find, name and write factions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity.Equivalence To write simple factions e.g. ½ of 6 = 3 and recognise the	EquationsTo recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.To recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up 100.Sequences To compare and sequen intervals of time.To order and arrange combinations of mathematical objects in		

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	Count in steps, count in multiples, place value, estimate,	Sum, 3-digit number, commutative.	Multiplication tables, commutative, repeated	Three quarters, third, equ	
	compare.		addition.	fractions, unit fractions, n	
				fractions, numerator,	
				denominator, one whole.	

	TEACH – MODEL – USE	MANIPULATIVES – RECOR	D – INVESTIGATE – MASTE	K - K		
Year 2	Measurement	Geometry – Properties of Shape	Geometry – Position and Direction	Stat		
Maths Skills	 Comparing and Estimating To compare and order lengths, mass, volume/capacity and record the results using <,> and =. To compare and sequence intervals of time. Measuring and Calculating To choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass(Kg/g); temperature (C); capacity (litres /mls) to the nearest appropriate unit, using rulers scales, thermometers and measuring vessels. To recognise and use symbols for pounds (£) and pence (p): combine amounts to make a particular value. To find different combinations of coins that equal the same amounts of money. To solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. Telling the Time To tell and write the time to 5 minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. To know the number of minutes in an hour and the number of hours in a day. 	Identifying Shapes and their Properties To identify and describe the properties of 2-D shapes, including the number of sides and line of symmetry in a vertical line. To identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. To identify 2-D shapes on the surface of 3-D shapes. Comparing and Classifying To compare and sort common 2-D and 3-D shapes and everyday objects.	Position, Direction and Movement To use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). Pattern To order and arrange combinations of mathematical objects in patterns and sequences.	Interp To inte charts, To ask numbe categor To ask compa		
	Vocabulary					
	Measure and Length Standard units, estimate, order, record results, centimetres cm, metres m.	Pentagon, hexagon, line of symmetry, properties, cylinder, edges, vertices, vertex.	Clockwise, anti-clockwise, straight line, rotation, arrange, sequences.	Pictogr sorting		
	Height, Weight and Capacity Kilogram kg, gram g, quarter full, three quarters full, litres l, millilitres ml, temperature, Celsius. Time					
	Intervals of time, quarter past, quarter to, duration. Money Value, change.					

in MATHS

REPEAT

atistics

erpreting, Constructing and Presenting Data nterpret and construct simple pictograms, tally rts, block diagrams and simple tables.

sk and answer simple questions by counting the aber of objects in each category and sorting the gories by quantity.

ask and answer questions about totalling and aparing categorical data.

ograms, tally chart, block diagram, category, ing, totalling, comparing, horizontal, vertical.