Year 2 programme of study (statutory requirements)

Number and place	Addition and	Multiplication and	Fractions	Measurement	Geometry:	Geometry:	Statistics
value	subtraction	division		Pupils should be taught	properties of	position and	
	Pupils should be taught		Pupils should be	to:	shapes	direction	Pupils should be
Pupils should be taught	to:	Pupils should be taught	taught to:		Dupilo obsuid be	Dupilo obsuid be	taught to:
0:		to:		 choose and use 	Pupils should be	Pupils should be	- internet and
accuration atoms of O	 solve problems with 	 recall and use 	 recognise, find, 	appropriate standard	taught to:	taught to:	 interpret and
count in steps of 2,	addition and	multiplication and	name and write	units to estimate and			construct sim
3, and 5 from 0,	subtraction:	division facts for the	fractions I_3, I_4 ,	measure	 identify and 	 order and 	pictograms, ta
and in tens from	- using concrete	2, 5 and 10	2 3	length/height in any	describe the	arrange	charts, block
any number,	objects and pictorial	multiplication tables,	$/_{4}$ and $/_{4}$ of a	direction (m/cm);	properties of	combinations	diagrams and
forward or backward	representations,	including recognising	length, shape,	mass (kg/g);	2-D shapes,	of	simple tables
 recognise the place 	including those involving numbers,	odd and even	set of objects or	temperature (°C); capacity (litres/ml) to	including the number of	mathematical	 ask and answer simple
value of each digit	quantities and	numbers	quantity	the nearest	sides and	objects in patterns and	questions by
in a two-digit	measures		 write simple 	appropriate unit,	symmetry in a	sequences	counting the
number (tens,	- applying their	 calculate 	fractions for	using rulers, scales,	vertical line	 use 	number of
ones)	increasing	mathematical	example, $\frac{1}{2}$ of 6	thermometers and	 identify and 	mathematical	objects in eac
 identify, represent 	knowledge of	statements for		measuring vessels	describe the	vocabulary to	category and
and estimate	mental and written	multiplication and	= 3 and	 compare and order 	properties of	describe	sorting the
numbers using	methods	division within the	recognise the	lengths, mass,	3-D shapes,	position,	categories by
different		multiplication tables	equivalence of	volume/capacity and	including the	direction and	quantity
representations,	 recall and use 	and write them using	I_{4} and I_{2} .	record the results	number of	movement,	 ask and answ
including the	addition and	the multiplication (×),	4 2	using >, < and =	edges,	including	questions ab
number line	subtraction facts to	division (+) and		 recognise and use 	vertices and	movement in	totalling and
 compare and order 	20 fluently, and	equals (=) signs		symbols for pounds	faces	a straight line	comparing
numbers from 0 up	derive and use			(£) and pence (p);	 identify 2-D 	and	categorical da
to 100: use <. >	related facts up to	show that		combine amounts to	shapes on the	distinguishing	outogenour ut
and = signs	100	multiplication of two		make a particular	surface of 3-D	between	
 read and write 	 add and subtract 	numbers can be		value	shapes [for	rotation as a	
numbers to at least	numbers using	done in any order		 find different 	example a	turn and in	
100 in numerals	concrete objects,	(commutative) and		combinations of coins	circle on a	terms of right	
and in words	pictorial	division of one		that equal the same	cylinder and a	angles for	
 use place value and 	representations, and	number by another		amounts of money	triangle on a	quarter, half	
number facts to	mentally, including:	cannot		 solve simple problems 	pyramid]	and three-	
solve problems	- a two-digit number			in a practical context	 compare and 	quarter turns	
	and ones	 solve problems 		involving addition and	sort common	(clockwise	
	- a two-digit number	involving		subtraction of money	2-D and 3-D	and anti-	
	and tens	multiplication and		of the same unit,	shapes and	clockwise)	
	 two two-digit 	division, using		including giving	everyday	,	
	numbers	materials, arrays,		change	objects		
	 adding three one- 	repeated addition,		 compare and 	,		
	digit numbers	mental methods, and		sequence intervals of			
	 show that addition of 	multiplication and		time			
	two numbers can be	division facts,		 tell and write the time 			
	done in any order	including problems in		to five minutes,			
	(commutative) and	contexts		including quarter			
	subtraction of one			past/to the hour and			
	number from another			draw the hands on a			
	cannot			clock face to show			
				these times.			
	 recognise and use the 			 know the number of 			
	inverse relationship			minutes in an hour			
	between addition and			and the number of			
	subtraction and use			hours in a day			
	this to check			-			
	calculations and						
	missing number						
	problems					1	1

Y2 notes and guidance (non-statutory)

Number and place	Addition and	Multiplication and	Fractions	Measurement	Geometry:	Geometry:	Statistics
value	subtraction	division			properties of	position and	
	 subtraction Pupils extend their understanding of the language of addition and subtraction to include sum and difference. Pupils practise addition and subtraction to 20 to become increasingly fluent in deriving facts such as using 3 + 7 = 10, 10 - 7 = 3 and 7 = 10 - 3 to calculate 30 + 70 = 100, 100 - 70 = 30 and 70 = 100 - 30. They check their calculations, including by adding to check subtraction and adding numbers in a different order to check addition (for example, 5 + 2 + 1 = 1 + 5 + 2 = 1 + 2 + 5). This establishes commutativity and associativity of addition. Recording addition and subtraction in columns supports place value and prepares for formal written methods with larger numbers. 		Fractions Pupils use fractions as 'fractions of' discrete and continuous quantities by solving problems using shapes, objects and quantities. They connect unit fractions to equal sharing and grouping, to numbers when they can be calculated, and to measures, finding fractions of lengths, quantities, set of objects or shapes. They meet $\frac{3}{4}$ as the first example of a non- unit fraction. Pupils should count in fractions up to 10, starting from any number and using $\frac{1}{2}$ the $\frac{1}{2}$ and $\frac{1}{4}$ equivalence on the number line (for example, $1 \frac{1}{4}$, $1 \frac{3}{4}$ (or $1 \frac{1}{2}$), $1 \frac{3}{4}$, 2). This reinforces the concept of fractions	Measurement Pupils use standard units of measurement with increasing accuracy, using their knowledge of the number system. They use the appropriate language and record using standard abbreviations. Comparing measures includes simple multiples such as 'half as high'; 'twice as wide'. They become fluent in telling the time on analogue clocks and recording it. Pupils become fluent in counting and recognising coins. They read and say amounts of money confidently and use the symbols £ and p accurately, recording pounds and pence separately.		-	Statistics Pupils record, interpret, collate, organise and compare information (for example, using many-to-one correspondence with simple ratios 2, 5, 10).