

Maths Curriculum Map (updated 2023-4)

John Clifford School

			Autumn 1			
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Recognising and	Number: Place Value	Number: Place Value	Number: Place Value	Number: Place Value	Number: Place Value	Geometry:
understanding numbers						Properties of Shape
<u>1-20</u>	Given a number,	Recognise the place	Count from 0 in	Count in multiples of 6,	Read, write, order and	
	identify 1 more and 1	value of each digit in a	multiples of 4, 8, 50	7, 9, 25 and 1,000.	compare numbers to	Draw 2-D shapes using
<u>40-60 months</u>	less.	two-digit number (10s,	and 100; find 10 or	F 14 000	at least 1,000,000 and	given dimensions and
	Identify and very sent	1s).	100 more or less than	Find 1,000 more or	determine the value of	angles.
Recognise some numerals of personal significance.	Identify and represent numbers using objects	Identify, represent and	a given number.	less than a given number.	each digit.	Recognise, describe
or personal significance.	and pictorial	estimate numbers	Recognise the place	number.	Count forwards or	and build simple 3-D
Recognises numerals 1 to 5.	representations	using different	value of each digit in a	Count backwards	backwards in steps of	shapes, including
Recognises numerals 1 to 5.	including the number	representations,	3-digit number (100s,	through 0 to include	powers of 10 for any	making nets.
Counts up to three or four	line, and use the	including the number	10s, 1s).	negative numbers.	given number up to	making nets.
objects by saying one	language of: equal to,	line.	100/ 10/	negative namberst	1,000,000.	Compare and classify
number name for each item.	more than, less than		Compare and order	Recognise the place	_,,	geometric shapes
	(fewer), most, least.	Compare and order	numbers up to 1,000.	value of each digit in a	Interpret negative	based on their
Counts actions or objects		numbers from 0 up to		four-digit number	numbers in context,	properties and sizes
which cannot be moved.	Read and write	100; use <, > and =	Identify, represent and	(1,000s, 100s, 10s and	count forwards and	and find unknown
	numbers from 1 to 20	signs.	estimate numbers	1s).	backwards with	angles in any triangles,
Counts objects to 10, &	in numerals and words.		using different		positive and negative	quadrilaterals, and
beginning to count beyond		Read and write	representations.	Order and compare	whole numbers,	regular polygons.
10.	Number: Addition	numbers to at least		numbers beyond	including through 0.	
	and Subtraction	100 in numerals and in	Read and write	1,000.	David and successful and	Illustrate and name
Counts out up to six objects	Deed with and	words.	numbers up to 1,000 in	Televetic	Round any number up	parts of circles,
from a larger group.	Read, write and interpret mathematical	Use place value and	numerals and in words,	Identify, represent and estimate numbers	to 1,000,000 to the nearest 10, 100,	including radius, diameter and
Selects the correct numeral	statements involving	number facts to solve	Solve number	using different	1,000, 10,000 and	circumference and
to represent 1 to 5,	addition (+),	problems.	problems and practical	representations.	100,000.	know that the diameter
then 1 to 10 objects.	subtraction (-) and	problems.	problems involving	representations.	100,000.	is twice the radius.
	equals (=) signs.	Number: Addition	these ideas.	Round any number to	Solve number	
Counts an irregular		and Subtraction		the nearest 10, 100 or	problems and practical	Recognise angles
arrangement of up to			Number: Addition	1,000.	problems that involve	where they meet at a
ten objects.		Solve problems with	and Subtraction		all of the above.	point, are on a straight
_		addition and		Solve number and		line, or are vertically
Estimates how many objects		subtraction:	Add and subtract	practical problems that	Read Roman numerals	opposite, and find
they can see & checks		using concrete objects	numbers mentally,	involve all of the above	to 1,000 (M) and	missing angles.
by counting them.		and pictorial	including:	and with increasingly	recognise years written	
		representations,	- a three-digit	large positive numbers.	in Roman numerals.	
Uses the language of 'more'		including those	number and			Number: Place Value
& 'fewer' to compare		involving numbers,	1s			

two sets of objects.	quantities and		Read Roman numerals	Number: Addition	Read, write, order and
	measures	Estimate the answer to	to 100 (I to C) and	and Subtraction	compare numbers up
<u>ELG</u>	applying their	a calculation and use	know that over time,		to 10 000 000 and
	increasing knowledge	inverse operations to	the numeral system	Add and subtract	determine the value of
Children count reliably with	of mental and written	check answers.	changed to include the	whole numbers with	each digit.
numbers from one to 20,	methods.		concept of 0 and place	more than 4 digits,	, i i i j i
place them in order and		Multiplication and	value.	including using formal	Round any whole
say which number is one	Recall and use addition	division		written methods	number to a required
more or one less than	and subtraction facts to		Number: Addition	(columnar addition and	degree of accuracy.
a given number.	20 fluently, and derive	Recall and use	and Subtraction	subtraction).	acgree of accuracy.
	and use related facts	multiplication and	and Subtraction	Subtraction).	Use negative numbers
	up to 100.	division facts for the 3	Add and subtract	Add and subtract	in context, and
	up to 100.	and 4 multiplication	numbers with up to 4	numbers mentally with	calculate intervals
	Add and subtract			,	
	Add and subtract	tables.	digits using the formal	increasingly large	across 0.
	numbers using	M	written methods of	numbers.	
	concrete objects,	Write and calculate	columnar addition and		Solve number and
	pictorial	mathematical	subtraction where	Use rounding to check	practical problems that
	representations, and	statements for	appropriate.	answers to calculations	involve all of the
	mentally, including:	multiplication and		and determine, in the	above.
	- a two-digit	division using the	Estimate and use	context of a problem,	
	number and	multiplication tables	inverse operations to	levels of accuracy.	Number: Addition,
	1s.	that they know,	check answers to a		subtraction,
		including for two-digit	calculation.	Solve addition and	multiplication and
		numbers times one-		subtraction multi-step	division
		digit numbers, using	Solve addition and	problems in contexts,	
		mental and progressing	subtraction two-step	deciding which	Multiply multi-digit
		to formal written	problems in contexts,	operations and	numbers up to 4 digit
		methods.	deciding which	methods to use and	by a two-digit whole
		methous.	operations and	why.	number using the
				wily.	5
			methods to use and		formal written method
			why.		of long multiplication.
					Divide numbers up to
					digits by a two-digit
					whole number using
					the formal written
					method of long
					division, and interpret
					remainders as whole
					number, remainders,
					fractions, or by
					rounding, as
					appropriate for the
					context.
					Divide numbers up to
					digits by a two-digit
					number using the
					formal written method
					of short division wher
					appropriate,
					interpreting remainde

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			according to the context.
			Perform mental calculations, including with mixed operations and large numbers.
			Identify common factors, common multiples and prime numbers.
			Use their knowledge of the order of operations to carry out calculations involving the 4 operations.
			Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
			Solve problems involving addition, subtraction, multiplication and division.
			Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
			Number: Fractions
			Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
			Compare and order fractions, including fractions >1.

						fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form. Divide proper fractions by whole numbers.			
'		Mathema	aticians linked to each u	nit:					
			cabulary to be taught:	· · · · · · · · · · · · · · · · · · ·					
number, zero, one, two, three,to twenty and beyond, zero, ten, twenty, one hundred, none, how many? count, count (up) to count on (from, to) count back (from, to) count in ones, twos tens more, less, many, few odd, even, every, other, how many times? pattern, pair, guess, estimate, nearly, close to, about the same, as just over, just under too many, too few, enough, not enough, the same number as, as many as, of two objects/amounts, greater, more, larger, bigger less, fewer, smaller of three or more objects/amounts: greatest, most, biggest, largest least, fewest, smallest one more, ten more one less, ten less compare order size first, second, third tenth, last, last but one, before, after, next, between, above, below	Topic specific – see knowledge organisers								

			Greeks: Who were the ancient Greek Gods and Goddesses?		What was the impact of the British Empire?
Texts that link to the topic:					

	Autumn 2							
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
One more and one less	Geometry: Shape	Number: Addition and subtraction	Number: Addition and Subtraction	Multiplication and division	Multiplication and division	Number: Fractions		
<u>40-60 Months</u>	Recognise and name common 2-D and 3-D	Add and subtract	Add and subtract	Recall multiplication	Identify multiples and	Use common factors to simplify fractions; use		
Says the number that is one more than a given number.	shapes, including: - 2-D shapes - 3-D shapes	numbers using concrete objects, pictorial	numbers mentally, including: - a three-digit	and division facts for multiplication tables up to 12×12	factors, including finding all factor pairs of a number, and	common multiples to express fractions in the same denomination.		
Finds one more or one less from a group of up to five objects, then ten objects.	<u>Number: Place value</u> within 20	representations, and mentally, including:	number and 10s	Use place value, known and derived facts to multiply and	common factors of two numbers.	Compare and order fractions, including fractions >1.		

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In practical activities and	Given a number,	- a two-digit	- a three-digit	divide mentally,	Know and use the	
discussion, beginning to	identify 1 more and 1	number and	number and	including: multiplying	vocabulary of prime	Add and subtract
use the vocabulary involved	less.	10s	100s	by 0 and 1; dividing by	numbers, prime	fractions with different
in adding & subtracting.		- 2 two-digit		1; multiplying together	factors and composite	denominators and
	Identify and represent	numbers	Add and subtract	3 numbers.	(non-prime) numbers.	mixed numbers, using
<u>ELG</u>	numbers using objects	 adding 3 one- 	numbers with up to 3			the concept of
	and pictorial	digit numbers.	digits, using formal	recognise and use	Establish whether a	equivalent fractions.
Children count reliably with	representations		written methods of	factor pairs and	number up to 100 is	
numbers from one to 20,	including the number	Show that addition of 2	columnar addition and	commutativity in	prime and recall prime	Multiply simple pairs of
place them in order and say	line, and use the	numbers can be done	subtraction.	mental calculations.	numbers up to 19.	proper fractions,
which number is one more or	language of: equal to,	in any order				writing the answer in
one less than a given	more than, less than	(commutative) and	Solve problems,	Converting units of	Multiply numbers up to	its simplest form.
number.	(fewer), most, least.	subtraction of one	including missing	<u>measure</u>	4 digits by a one- or	
		number from another	number problems,		two-digit number using	Divide proper fractions
Using quantities & objects,	Read and write	cannot.	using number facts,	Convert between	a formal written	by whole numbers.
they add & subtract two	numbers from 1 to 20		place value, and more	different units of	method, including long	
single-digit numbers & count	in numerals and	Recognise and use the	complex addition and	metric measure.	multiplication for two-	Number: Decimals
on or back to find the answer.	words.	inverse relationship	subtraction.		digit numbers.	
		between addition and		Solve problems		Associate a fraction
2D and 3D shapes	Number: Addition	subtraction and use	Multiplication and	involving converting	Multiply and divide	with division and
	and Subtraction	this to check	division	between units of time.	numbers mentally	calculate decimal
40-60 Months		calculations and solve			drawing upon known	fraction equivalents for
Beginning to use	Read, write and	missing number	Recall and use		facts.	a simple fraction.
mathematical names for	interpret mathematical	problems.	multiplication and			
'solid' 3D shapes	statements involving	problemer	division facts for the 3		Divide numbers up to	Identify the value of
and 'flat' 2D shapes, &	addition (+),	Money	and 4 multiplication		4 digits by a one-digit	each digit in numbers
mathematical terms to	subtraction (-) and	<u>I I Olicy</u>	tables.		number using the	given to three decimal
describe shapes.	equals (=) signs.	Recognise and use	tubics.		formal written method	places and multiply
describe shapes.		symbols for pounds (£)	Write and calculate		of short division and	and divide numbers by
Selects a particular named	Number: Addition	and pence (p);	mathematical		interpret remainders	10, 100 and 1,000
shape.	and Subtraction	combine amounts to	statements for		appropriately for the	giving answers are up
shape.	within 20	make a particular	multiplication and		context.	to three decimal
<u>ELG</u>	within 20	value.	division using the		context.	places.
	Represent and use	value.	multiplication tables			places.
They explore characteristics	number bonds and	Find different	that they know,			Multiply one-digit
of everyday objects &	related subtraction	combinations of coins	including for two-digit			numbers with up to 2
	facts within 20.					decimal places by
shapes & use mathematical	Tacts within 20.	that equal the same	numbers times one-			whole numbers.
language to describe them.	Add and subtract and	amounts of money.	digit numbers, using			whole numbers.
	Add and subtract one-		mental and progressing to formal			Use written division
	digit and two-digit	Number	written methods.			
	numbers to 20,	Number:	written methods.			methods in cases
	including 0.	Multiplication and				where the answer has
	Calva ana star	<u>division</u>				up to 2 decimal places.
	Solve one-step					
	problems that involve	Recall and use				
	addition and	multiplication and				Number: Addition,
	subtraction, using	division facts for the 2,				subtraction,
	concrete objects and	5 and 10 multiplication				multiplication and
	pictorial	tables, including				<u>division</u>
	representations, and	recognising odd and				
	missing number	even numbers.				Multiply multi-digit
	problems such as 7 =					numbers up to 4 digits
	? - 9.					by a two-digit whole

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Calculate mathematical		number using the
statements for		formal written method
multiplication and		of long multiplication.
division within the		
multiplication tables		Divide numbers up to
and write them using		4 digits by a two-digit
the multiplication (×),		whole number using
division (÷) and equals		the formal written
(=) signs.		method of long
		division, and interpret
Show that		remainders as whole
multiplication of 2		number, remainders,
numbers can be done		fractions, or by
in any order		rounding, as
(commutative) and		appropriate for the
division of 1 number by		context.
another cannot.		concext.
		Divide numbers up to
Salva problema		
Solve problems		4 digits by a two-digit
involving multiplication		number using the
and division, using		formal written method
materials, arrays,		of short division where
repeated addition,		appropriate,
mental methods, and		interpreting
multiplication and		remainders according
division facts, including		to the context.
problems in contexts		
		Measurement:
		Converting units
		solve problems
		involving the
		calculation and
		conversion of units of
		measure, using
		decimal notation up to
		2 decimal places where
		appropriate
		appropriate
		use, read, write and
		convert between
		standard units,
		converting
		measurements of
		length, mass, volume
		and time from a
		smaller unit of
		measure to a larger
		unit, and vice versa,
		using decimal notation
		to up to 3 decimal
		places

						convert between miles and kilometres
		Mathema	ticians linked to each u	nit:		
			abulary to be taught:			
One more and one less add, more, and, make, sum, total, altogether, one more, add, more, and make, sum, one more, two more, ten more how many more to make? how many more is than? take (away), leave how many are left/left over? how many have gone? one less, two less ten less how many fewer is than? difference between, is the same as	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers			
2D and 3D shapes circle, triangle, square, rectangle, star, cube, pyramid, sphere, cone, solid, flat, shape, pattern curved, straight, round, hollow, corner face, side, edge, end, sort, make, build, draw						
			Topic links to:		1	
	Where does my food come from?	What was it like to be a Victorian?	Would you survive the Stone Age?	Romans: How did the Romans impact Britain?	Is life in Space the future?	
		Tevte	s that link to the topic:			
		Texts	s that mik to the topic.	•	•	

Spring 1							
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Addition and Subtraction	Number: Addition and Subtraction	Number: Multiplication and	Number: Multiplication and	Number: Multiplication and	Measure: Perimeter and Area	Number: Fractions	
<u>40-60 Months</u>	within 20	division	division	division	Measure and calculate	Use common factors to simplify fractions; use	
Finds the total number of items in two groups by counting all of them.	Represent and use number bonds and related subtraction facts within 20.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication	Recall and use multiplication and division facts for the 4 and 8 multiplication	Multiply two-digit and three-digit numbers by a one-digit number using formal written	the perimeter of composite rectilinear shapes in centimetres and metres.	common multiples to express fractions in the same denomination.	
In practical activities and		tables, including	tables.	layout.			

discussion, beginning to	Add and subtract one-	recognising odd and			Calculate and compare	Compare and order
use the vocabulary	digit and two-digit	even numbers.	Write and calculate	Solve problems	the area of rectangles	fractions, including
involved in adding &	numbers to 20,		mathematical	involving multiplying	(including squares)	fractions >1.
subtracting.	including 0.	Calculate mathematical	statements for	and adding, including	including using	
2	2	statements for	multiplication and	using the distributive	standard units, square	Add and subtract
ELG	Solve one-step	multiplication and	division using the	law to multiply two	centimetres (cm2) and	fractions with different
	problems that involve	division within the	multiplication tables	digit numbers by 1	square metres (m2)	denominators and
Children count reliably	addition and	multiplication tables	that they know,	digit, integer scaling	and estimate the area	mixed numbers, using
with numbers from one to	subtraction, using	and write them using	including for two-digit	problems and harder	of irregular shapes.	the concept of
20, place them in order and	concrete objects and	the multiplication (\times) ,	numbers times one-	correspondence	5 1	equivalent fractions.
say which number is one	pictorial	division (+) and equals	digit numbers, using	problems such as n	<u>Statistics</u>	
more or one less than a given	representations, and	(=) signs.	mental and	objects are connected		Multiply simple pairs of
number.	missing number		progressing to formal	to m objects.	Solve comparison, sum	proper fractions,
	problems such as $7 = ?$	Show that	written methods.		and difference	writing the answer in
Using quantities & objects,	- 9.	multiplication of 2		<u>Area</u>	problems using	its simplest form.
they add & subtract two		numbers can be done	Solve problems,		information presented	
single-digit numbers & count	Number: Place value	in any order	including missing	Find the area of	in a line graph.	Divide proper fractions
on or back to find the answer.	within 100	(commutative) and	number problems,	rectilinear shapes by	cc g. cp	by whole numbers.
		division of 1 number	involving multiplication	counting squares.	Complete, read and	2,
They solve problems	Count to and across	by another cannot.	and division, including	oo antang oquat cot	interpret information in	Number: Addition,
including doubling,	100, forwards and		positive integer scaling	Measurement:	tables, including	subtraction,
halving & sharing	backwards, beginning	Solve problems	problems and	Length and	timetables.	multiplication and
harving a bhanng	with 0 or 1, or from	involving multiplication	correspondence	Perimeter		division
Measuring length	any given number.	and division, using	problems in which n	<u>- c</u>	Number:	<u></u>
<u>i louburing longen</u>	any given numberi	materials, arrays,	objects are connected	Measure and calculate	Multiplication and	Multiply multi-digit
40-60 Months		repeated addition,	to m objects.	the perimeter of a	division	numbers up to 4 digits
<u></u>		mental methods, and		rectilinear figure		by a two-digit whole
Orders two or three items		multiplication and	Number: Fractions	(including squares) in	Multiply and divide	number using the
by length or height.		division facts, including	<u>-rumberr ruettons</u>	centimetres and	whole numbers and	formal written method
by length of height.		problems in contexts.	Count up and down in	metres.	those involving	of long multiplication.
<u>ELG</u>			tenths; recognise that		decimals by 10, 100	
			tenths arise from		and 1,000.	Divide numbers up to
Children use everyday		Number: Fractions	dividing an object into		and 2,000	4 digits by a two-digit
language to talk about			10 equal parts and in		Recognise and use	whole number using
size, weight, capacity,		Recognise, find, name	dividing one-digit		square numbers and	the formal written
position, distance, time		and write fractions	numbers or quantities		cube numbers, and the	method of long
and money to compare		1/3, 1/4, 2/4 and 3/4	by 10.		notation for squared	division, and interpret
quantities and objects and to		of a length, shape, set	-,		(2) and cubed (3).	remainders as whole
solve problems.		of objects or quantity.	Recognise, find and		(_) and caped (c):	number, remainders,
			write fractions of a		Solve problems	fractions, or by
		Write simple fractions,	discrete set of objects:		involving multiplication	rounding, as
		for example $1/2$ of 6 =	unit fractions and non-		and division, including	appropriate for the
		3 and recognise the	unit fractions with		using their knowledge	context.
		equivalence of 2/4 and	small denominators.		of factors and	
		1/2.			multiples, squares and	Divide numbers up to
		,	Recognise and use		cubes.	4 digits by a two-digit
			fractions as numbers:			number using the
			unit fractions and non-		Solve problems	formal written method
			unit fractions with		involving addition,	of short division where
			small denominators.		subtraction,	appropriate,
					multiplication and	interpreting
			Recognise and show,		division and a	remainders according
			using diagrams,		combination of these,	to the context.

			equivalent fractions with small denominators.		including understanding the meaning of the equals sign Solve problems involving multiplication and division, including scaling by simple	Statistics Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret
					fractions and problems involving simple rates.	the mean as an average.
					Number: Fractions	
					Compare and order fractions whose denominators are all multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.	Number: Percentages Solve problems which require answers to be rounded to specified degrees of accuracy. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
		Mathema	ticians linked to each u	nit:		
		riatiieilla				
	1	Voc	abulary to be taught:	1	1	<u>.</u>
Addition and Subtraction add, more, and, make, sum, total, altogether, score, double, one more, two more, ten more how many more to make ? how many more is than? take (away), leave, how many are left/left over? how many have gone? one less, two less ten less how many fewer is than? Difference, between, is the same as	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers	Topic specific – see knowledge organisers

Measuring length				
measure, size, compare,				
guess, estimate, enough, not				
enough, too much, too little,				
too many, too few, nearly,				
close to, about the same as,				
just over, just under, length, width, height, depth, long,				
short, tall, high, low, wide,				
narrow, deep, shallow, thick,				
thin, longer, shorter, taller,				
higher, longest, shortest,				
tallest, highest, far, near,				
close.				
		Topic links to:		
	Who won the	What can the		
	space race?	Ancient Egyptians		
		teach me?		
	Tex	ts that link to the topic:	•	1
L L		1	•	

	Spring 2						
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Doubling and halving	Measurement:	Position and		Number: Fractions	Number: Fractions,	Number: Algebra	
	<u>Length, height,</u>	Direction	Number: Fractions	and Decimals	decimals and		
<u>ELG</u>	weight and volume				<u>percentages</u>	Use simple formulae.	
		Order and arrange	Count up and down in	Recognise and show,			
They solve problems	Compare, describe and	combinations of	tenths; recognise that	using diagrams, families	Add and subtract	Generate and describe	
including doubling,	solve practical problems	mathematical objects in	tenths arise from	of common equivalent	fractions with the same	linear number	
halving & sharing	for:	patterns and	dividing an object into	fractions.	denominator and	sequences.	
	 lengths and 	sequences.	10 equal parts and in		denominators that are		
<u>Weight</u>	heights [for		dividing one-digit	Count up and down in	multiples of the same	Express missing number	
	example,	Use mathematical	numbers or quantities	hundredths; recognise	number.	problems algebraically.	
<u>40-60 Months</u>	long/short,	vocabulary to describe	by 10.	that hundredths arise			
	longer/shorter,	position, direction and		when dividing an object	Multiply proper fractions	Find pairs of numbers	
Orders two items by	tall/short,	movement including	Recognise, find and	by a 100 and dividing	and mixed numbers by	that satisfy an equation	
weight or capacity.	double/half]	movement in a straight	write fractions of a	tenths by 10.	whole numbers,	with two unknowns.	
51.0	- mass / weight	line and distinguishing	discrete set of objects:		supported by materials		
<u>ELG</u>	 capacity and 	between rotation as a	unit fractions and non-	Solve problems	and diagrams.	Enumerate possibilities	
Children was suggeden	volume	turn and in terms of	unit fractions with small	involving increasingly		of combinations of 2	
Children use everyday	Management have been been been been been been been be	right angles for quarter,	denominators.	harder fractions to	Read and write decimal	variables.	
language to talk about	Measure and begin to	half and three-quarter		calculate quantities, and	numbers as fractions.		
	record the following:			fractions to divide			

size and weight to compare quantities	- lengths and heights	turns (clockwise and anti-clockwise).	Recognise and use fractions as numbers:	quantities, including non-unit fractions	Recognise and use thousandths and relate	Measurement: Perimeter, Area and
and objects and to solve problems.	 mass/weight capacity and 	,	unit fractions and non- unit fractions with small	where the answer is a whole number.	them to tenths, hundredths and decimal	Volume
	volume	Statistics	denominators.	Add and subtract	equivalents.	Recognise that shapes with the same areas ca
	Multiples of 2.5 and	Interpret and construct	Recognise and show,	fractions with the same	Recognise the per cent	have different
	Multiples of 2,5 and 10	simple pictograms, tally charts, block diagrams	using diagrams, equivalent fractions	denominator.	symbol (%) and understand that per	perimeters and vice versa.
	Count, read and write	and tables.	with small denominators.	Recognise and write decimal equivalents of	cent relates to "number of parts per 100", and	Recognise when it is
	numbers to 100 in numerals; count in	Ask and answer simple questions by counting	Number: Fractions	any number of tenths or hundredths.	write percentages as a fraction with	possible to use formul for area and volume o
	multiples of 2s, 5s and 10s.	the number of objects in each category and	Add and subtract	Recognise and write	denominator 100, and as a decimal fraction.	shapes.
		sorting the categories by quantity.	fractions with the same denominator within one	decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$.	Solve problems which	Calculate the area of parallelograms and
			whole.		require knowing	triangles.
		Ask and answer questions about	Compare and order unit	Find the effect of dividing a one- or two-	percentage and decimal equivalents of 1/2, 1/4,	Calculate, estimate ar
		totalling and comparing categorical data.	fractions, and fractions with the same	digit number by 10 and 100, identifying the	1/5, 2/5, 4/5 and fractions with a	compare volume of cubes and cuboids usi
		Properties of shape	denominators.	value of the digits in the answer as ones, tenths	denominator of a multiple of 10 or 25	standard units, including cubic
		Identify and describe	Solve problems that involve all of the above.	and hundredths.	Measurement:	centimetres (cm3) an cubic metres (m3), ar
		the properties of 2-D shapes, including the	Measurement: Length	Solve simple measure and money problems	Convert between different units of metric	extending to other units.
		number of sides and	and perimeter	involving fractions and	measure.	
		line symmetry in a vertical line.	Measure, compare, add	decimals to 2 decimal places.	Understand and use	<u>Number: Ratio</u>
		Identify and describe	and subtract: - lengths		approximate equivalences between	Solve problems involving the relative
		the properties of 3-D shapes, including the	(m/cm/mm)		metric units and common imperial units	sizes of two quantities where missing values
		number of edges, vertices and faces.	Measure the perimeter of simple 2-D shapes.		such as inches, pounds and pints.	can be found by using integer multiplication and division facts.
		Identify 2-D shapes on the surface of 3-D	Statistics		Estimate volume [for example, using 1 cm ³	Solve problems
		shapes.	Interpret and present data using bar charts,		blocks to build cuboids (including cubes)] and	involving the calculati of percentages and th
		Length and Height	pictograms and tables.		capacity [for example, using water]	use of percentages for comparison.
		Choose and use appropriate standard	Solve one-step and two-step questions			Solve problems
		units to estimate and	using information presented in scaled bar			involving similar shap where the scale facto
		measure length/height in any direction (m/cm).	charts and pictograms			known or can be foun
		Compare and order lengths, and record the	and tables.			Solve problems involving unequal
						sharing and grouping

ng knowledge of tions and multiples.
ometry: Properties Shape
w 2-D shapes using en dimensions and les.
ognise, describe and d simple 3-D pes, including king nets.
npare and classify metric shapes based their properties and and find unknown les in any triangles, drilaterals, and ular polygons.
strate and name ts of circles, uding radius, meter and umference and know t the diameter is ce the radius.
ognise angles where y meet at a point, on a straight line, or vertically opposite, l find missing angles.
VISION OF CORE ILLS IN EPARATION FOR 2 SATS
Khwarizmi (House Wisdom) – History «

double, half, halve,						
pair, count out, share						
out, left, left over						
Weight						
measure, size,						
compare, guess,						
estimate, enough, not						
enough, too much, too						
little, too many, too						
few, nearly, close to,						
about the same as, just						
over, just under <u>, w</u> eigh,						
weighs, balances,						
heavy/light,						
heavier/lighter,						
heaviest/lightest						
balance, scales, weight.			Topic links to:			
	Science Week	Science Week	Science Week	Science Week	Science Week	Science Week
Science Week	Science week	Science week	Science week	Science week	Science week	Science week
Science Week						
				Anglo-Saxons: How		
				were the Anglo-Saxons		What was the
				different to the		Islamic Golden
				Romans?		
				Romans :		Age, and what
						has been its
						legacy on the
						modern world?
		T	exts that link to the topi	C:	1	
						Golden Horsemen of
						Baghdad The Islamic Coldon
						The Islamic Golden
L						Age

Summer 1								
FS Year 1 Year 2 Year 3 Year 4 Year 5 Year 6								

Sharing and repeated				Number: Decimals	Number: Fractions,	<u>Statistics</u>
addition	Geometry: Shape	Length and Height	Measurement: Money	Number: Decimais	decimals and	Statistics
<u></u>	<u></u>		<u></u>	Round decimals with 1	percentages	Interpret and construct
<u>Capacity</u>	Recognise and name	Choose and use	Add and subtract	decimal place to the		pie charts and line
	common 2-D and 3-D	appropriate standard	amounts of money to	nearest whole number.	Add and subtract	graphs and use these
<u>40-60 Months</u>	shapes, including:	units to estimate and	give change, using both		fractions with the same	to solve problems.
	 2-D shapes 	measure length/height	£ and p in practical	Compare numbers with	denominator and	
Orders two items by weight	 3-D shapes 	in any direction	contexts.	the same number of	denominators that are	Calculate and interpret
or capacity.		(m/cm).		decimal places up to 2	multiples of the same	the mean as an
	Number: Place value			decimal places.	number.	average.
<u>ELG</u>	<u>within 100</u>	Compare and order				
		lengths, and record the	Measurement: Time	<u>Money</u>	Multiply proper	Geometry: Position
Children use everyday	Count to and across	results using >, < and			fractions and mixed	and direction
language to talk about	100, forwards and	=	Tell and write the time	Estimate, compare and	numbers by whole	Describe regitions on
capacity to compare quantities and objects	backwards, beginning with 0 or 1, or from	Measurement: Time	from an analogue clock, including using	calculate different measures, including	numbers, supported by materials and	Describe positions on the full coordinate grid
and to solve problems.	any given number.	Measurement: Time	Roman numerals from I	money in pounds and	diagrams.	(all 4 quadrants).
and to solve problems.	any given number.	Compare and sequence	to XII, and 12-hour and	pence.	ulagrams.	(an + quadrants).
	Measurement: Money	intervals of time.	24-hour clocks.	pence.	Read and write decimal	Draw and translate
	<u>-reusurementi rieney</u>			Convert between	numbers as fractions.	simple shapes on the
	Recognise and know	Tell and write the time	Estimate and read time	different units of		coordinate plane, and
	the value of different	to five minutes,	with increasing	measure.	Recognise and use	reflect them in the
	denominations of coins	including quarter	accuracy to the nearest		thousandths and relate	axes.
	and notes.	past/to the hour and	minute; record and	<u>Time</u>	them to tenths,	
		draw the hands on a	compare time in terms		hundredths and	
	<u>Time</u>	clock face to show	of seconds, minutes	Read, write and	decimal equivalents.	Geometry:
		these times.	and hours; use	convert time between		Properties of Shape
	Sequence events in		vocabulary such as	analogue and digital 12	Recognise the per cent	
	chronological order	Know the number of	o'clock, am/pm,	and 24-hour clocks.	symbol (%) and	Draw 2-D shapes using
	using language.	minutes in an hour and	morning, afternoon,	Calus muchlance	understand that per	given dimensions and
	Recognise and use	the number of hours in	noon and midnight.	Solve problems involving converting	cent relates to "number of parts per 100", and	angles.
	language relating to	a day.	Know the number of	from hours to minutes,	write percentages as a	Recognise, describe
	dates, including days of	Problem Solving	seconds in a minute	minutes to seconds,	fraction with	and build simple 3-D
	the week, weeks,	<u>I Tobiciii Solving</u>	and the number of days	years to months,	denominator 100, and	shapes, including
	months and years.	Solve simple problems	in each month, year	weeks to days.	as a decimal fraction.	making nets.
		in a practical context	and leap year.			
	Tell the time to the	involving addition and			Solve problems which	Compare and classify
	hour and half past the	subtraction of money of	Compare durations of		require knowing	geometric shapes
	hour and draw the	the same unit,	events.		percentage and decimal	based on their
	hands on a clock face	including giving			equivalents of 1/2, 1/4,	properties and sizes
	to show these times.	change.			1/5, 2/5, 4/5 and	and find unknown
					fractions with a	angles in any triangles,
	Compare, describe and	Solve problems			denominator of a	quadrilaterals, and
	solve practical	involving multiplication			multiple of 10 or 25.	regular polygons.
	problems for:	and division, using				Illustrate and same
	- time	materials, arrays,				Illustrate and name
	Measure and begin to	repeated addition, mental methods, and				parts of circles, including radius,
	record the following:	multiplication and				diameter and
	3					
	- time (hours, minutes, seconds)	division facts, including problems in contexts.				circumference and know that the diameter is twice the radius.

						1
	Multiples of 2,5 and 10 Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s.					Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. Problem Solving Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Solve problems involving addition, subtraction, multiplication and division. REVISION OF CORE SKILLS IN
						PREPARATION FOR KS2 SATS
		Mathem	aticians linked to each	unit:		
	L	Va	cabulary to be taught:		<u> </u>	
Capacity	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see
measure, size, compare,	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers
guess, estimate, enough,						
not enough, too much, too						
little, too many, too few,						
nearly, close to, about the same as, just over, just						
under, full, half full, empty,						
holds, container.						
	1		Tonic links to:			1
			Topic links to:			

			Rivers: How do Humans live with rivers?	What is global trade and how does it impact me?	Could you live in a cave? Nottingham life in the 1940s.
	Text	ts that link to the topic:			

	Summer 2						
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Money	Number:	Measurement: Mass,	Measurement: Mass		Geometry: Properties	Statistics	
<u>40-60 Months</u>	<u>Multiplication and</u> <u>division</u>	<u>capacity and</u> <u>temperature</u>	and Capacity	<u>Volume</u>	of Shape	Interpret and construct	
Beginning to use everyday language related to money.	Solve one-step problems involving multiplication and	Choose and use appropriate standard units to estimate and	Measure, compare, add and subtract: - mass (kg/g) - volume/capacity	Ma5/3.1e estimate volume and capacity	Identify: - angles at a point and 1 whole turn	pie charts and line graphs and use these to solve problems.	
<u>ELG</u>	division, by calculating the answer using concrete objects,	measure: - mass (kg/g); - temperature	(I/ml)	Statistics Interpret and present	(total 360o) - angles at a point on a	Calculate and interpret the mean as an average.	
Children use everyday language to talk about money to compare	pictorial representations and arrays with the support of the teacher	(°C); - capacity (litres/ml) to the nearest	of Shape Draw 2-D shapes and make 3-D shapes using	discrete and continuous data using appropriate graphical methods, including bar charts	straight line and half a turn (total 180o) - other multiples	<u>Maths</u> <u>Investigations-</u> Problem Solving	
quantities and objects and to solve problems.	Fractions Recognise, find and name a half as 1 of 2	appropriate unit, using scales, thermometers	modelling materials; recognise 3-D shapes in different orientations and describe them.	and time graphs. Solve comparison, sum	of 90o Use the properties of rectangles to deduce	Solve problems involving the calculation and conversion of units	
<u>Time</u>	equal parts of an object, shape or quantity.	and measuring vessels	Recognise angles as a property of shape or a	problems using information presented in bar charts,	related facts and find missing lengths and angles.	of measure, using decimal notation up to 2 decimal places where	
<u>40-60 Months</u>		Compare and order mass, volume/capacity	description of a turn.	pictograms, tables and other graphs.		appropriate.	

Lisos ovorvdov longuago	Recognize find and	and record the results	identify right angles		Distinguish between	Solve addition and
Uses everyday language related to time.	Recognise, find and name a quarter as 1 of	using $>$, $<$ and $=$.	identify right angles, recognise that 2 right	Geometry: Properties	regular and irregular	subtraction multi-step
Orders & sequences	4 equal parts of an	using >, < and =.	angles make a half-turn,	of Shape	polygons based on	problems in contexts,
Familiar events.	object, shape or		3 make three quarters of	<u>or snape</u>	reasoning about equal	deciding which
Measures short periods	quantity.	Problem Solving	a turn and 4 a complete	Compare and classify	sides and angles.	operations and
of time in	quantity.	Froblem Solving	turn; identify whether	geometric shapes,	sides and angles.	methods to use and
simple ways.	Multiples of 2,5 and	Solve simple problems	angles are greater than	including quadrilaterals	Position and	why.
simple ways.	<u>10</u>	in a practical context	or less than a right	and triangles, based on	Direction	wity.
<u>ELG</u>	10	involving addition and	angle.	their properties and	Direction	Solve problems
<u>ELG</u>	Count, read and write	subtraction of money of	angle.	sizes.	Identify, describe and	involving addition,
Children use everyday	numbers to 100 in	the same unit, including	Identify horizontal and	Sizes.	represent the position	subtraction,
language to talk about	numerals; count in	giving change.	vertical lines and pairs of	Identify acute and	of a shape following a	multiplication and
time to compare	multiples of 2s, 5s and	giving change.	perpendicular and	obtuse angles and	reflection or translation,	division.
quantities and	10s.	Solve problems	parallel lines.	compare and order	using the appropriate	
•	105.	involving multiplication	paraller lines.			
objects and to solve problems.	Consolidation	and division, using		angles up to 2 right	language, and know	Number Algebra
problems.	Consolidation			angles by size.	that the shape has not	Number: Algebra
		materials, arrays,		Identify lines of	changed.	Lico cimplo formulas
		repeated addition,		Identify lines of		Use simple formulae.
		mental methods, and		symmetry in 2-D	Number Eventions	Concepto and dear-
		multiplication and		shapes presented in	Number: Fractions	Generate and describe
		division facts, including		different orientations.	Company and audau	linear number
		problems in contexts.		Complete e simula	Compare and order	sequences.
		Company lister time		Complete a simple	fractions whose	European anti-state
		Consolidation		symmetric figure with	denominators are all	Express missing
				respect to a specific	multiples of the same	number problems
				line of symmetry.	number.	algebraically.
				Position and	Identify, name and	Find pairs of numbers
				Direction	write equivalent	that satisfy an equation
					fractions of a given	with two unknowns.
				Describe positions on a	fraction, represented	
				2-D grid as coordinates	visually, including	Enumerate possibilitie
				in the first quadrant.	tenths and hundredths.	of combinations of 2
						variables.
				Describe movements	Recognise mixed	
				between positions as	numbers and improper	
				translations of a given	fractions and convert	CONSOLIDATION O
				unit to the left/right	from one form to the	ALL CORE SKILLS IN
				and up/down.	other and write	PREPARATION FOR
					mathematical	TRANSITION TO Y7
				Plot specified points	statements > 1 as a	
				and draw sides to	mixed number.	
				complete a given		
				polygon.		
		Mathe	ematicians linked to each	unit:		
			Vocabulary to be taught:			
Money	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see	Topic specific – see
money, coin, penny,	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers	knowledge organisers
pence, pound, price, cost, buy, sell, spend,						

anont nov abongo				
spent, pay, change,				
dear, costs more				
cheap, costs less,				
cheaper, costs the same				
as, how much? how				
many? total				
Time				
time, days of the week:				
Monday, Tuosday				
Monday, Tuesday				
day, week, birthday,				
holiday, morning,				
afternoon, evening,				
night, bedtime,				
dinnertime, playtime,				
today, yesterday,				
tomorrow, before, after				
next, last, now, soon,				
early, late, quick,				
quicker, quickest,				
quickly, slow, slower,				
slowest, slowly, old,				
older, oldest, new,				
newer, newest, takes				
longer, takes less time				
hour, o'clock, clock,				
watch, hands				
	Topic links to:			
				1
	Texts that link to the topi	c:	1	1