

A voyage of discovery - we're sailing to success together... MATHS



	AIMS							
I N	At Trafalgar, we recognise that children enter our	Appreciate the power and beauty of maths.	Enjoy taking on challenges, when learning new concepts or skills through play and exploration.					
T E	school with a varying degree of mathematical understanding and knowledge depending on their previous experiences.	Think logically, creatively and imaginatively in solving problems, developing the ability to think for themselves.	Learn to work collaboratively, negotiating others' points of view.					
N T		Work mentally with increasing confidence.	Learn the facts and techniques that they will need in order to further their maths learning.					
		Achieve th	neir potential.					

	Our mastery approach to the curriculum is designed to develop children's knowledge and understanding of mathematical concepts from the Early Years through to the end of Y2.								
	As a school we use White Rose Maths https://whiterosemaths.com/resources/primary and https://numbersensemaths.com/ to support the teaching of maths through small progressive steps and a confidence and fluidity of number facts. Lessons are planned and taught using Trafalage's Quality First Teaching approach								
M	Vocabulary -At the start of each new topic, key	Review -All lessons begin with a short	Modelling -Children are taught through clear modelling and have the						
Р	vocabulary is introduced and revisited regularly to	assessment/opportunity to revisit previous	opportunity to develop their knowledge and understanding of						
L	develop language acquisition, embedding as the topic	learning to support retrieval practice and	mathematical concepts. The mastery approach incorporates using objects,						
E	progresses. Questions – Are used to asses, review,	develop long-term memory.	pictures, words and numbers to help children explore and demonstrate						
Μ	emphasise and summarize key learning.		mathematical ideas, enrich their learning experience and deepen						
Е			understanding at all levels.						
Ν	Guided Practice- Children work on the objective at	Purpose- Teaching draws attention to the	Checking Understanding - Variation is used within lessons to highlight a						
т	whatever entrance stage they are assessed as	importance of maths and it's practical	concept's essential features by focusing on what is kept the same and what						
Α	achieving. Children can ACQUIRE the skill, APPLY the	applications in real life which is emphasised	changes, which offers the opportunity to make meaningful connections.						
Т	skill or DEEPEN the skill within the lesson.	through cross curricular activities.							
I	Adaptive and Inclusive -Resources are readily	High Expectations-Reasoning and	Feedback and Response - Children are encouraged to explore, apply and						
U N	available to assist demonstration of securing a	problem solving are integral to the	evaluate their mathematical approach during investigations to develop a						
IN	conceptual understanding of the different skills	activities children are given to develop	deeper understanding when solving different problems / puzzles.						
	appropriate for each year group.	their mathematical thinking.							
	Independence and Choice - A love of maths is encourage	ged throughout school via links with others sub	pjects, applying an ever growing range of skills with growing independence.						

		CHILDREN MAKE EXPECTED OR GREA	TER THAN EXPECTED PROGRESS
M P A C T b	Children show confidence in believing that they will achieve.	Children demonstrate a quick recall of facts and procedures. They have the chance to develop the ability to recognise relationships and make connections in maths lessons. Children show a high level of pride in the presentation ar	They have flexibility and fluidity to move between different contexts and representations of maths. Mathematical concepts or skills are mastered when a child can show it in multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations. Ind understanding of their work.

Vocabulary listed is the new vocabulary for each year group. Further guidance on vocabulary, including stem sentences, is on the White Rose SOLs and in the Maths Vocabulary folder in the Planning Room.

The program of study (knowledge and skills) in the long-term plan has been taken from the National Curriculum 2013 and Development Matters 2020. Additionally, for Reception, the ELGs for Maths, and for Year 2, the ARE from the TAF, are identified in italics.

Assessment takes place in every lesson through carefully planned lessons following our Quality first teaching approach. In addition, WR end of topic assessments may be used, independent activities away from the point of teaching and fluency assessments. Children's progress in maths is tracked termly and recorded on the school tracking system. Actions for children who are not secure are recorded on the Pupil Progress notes and the Fluency Tracker document.

	By the end of	By the end of Autumn 2	By the end of Spring 1	By the end of Spring 2	By the end of Summer 1	By the end of Summer
	Autumn 1 children	children will	children will	children will	children will	2 children will
	will					
	Counting	Counting	Counting	Counting	Counting	Counting
	Verbally count	Verbally count beyond 20,	Verbally count beyond	Verbally count beyond	Verbally count beyond 20,	Verbally count beyond
	beyond 20,	recognising the pattern of	20, recognising the	20, recognising the	recognising the pattern of	20, recognising the
	recognising the	the counting system	pattern of the counting	pattern of the counting	the counting system	pattern of the
	pattern of the		system	system		counting system
	counting system	<u>Vocabulary</u>			Vocabulary	
		Zero, number, one, two,	<u>Vocabulary</u>	<u>Vocabulary</u>	Zero, number, one, two,	<u>Vocabulary</u>
	<u>Vocabulary</u>	three to twenty and	Zero, number, one,	Zero, number, one,	three to twenty and	Zero, number, one,
	Zero, number	beyond, teens numbers,	two, three to twenty	two, three to twenty	beyond, teens numbers,	two, three to
	one, two, three	eleven, twelve twenty	and beyond, teens	and beyond, teens	eleven, twelve twenty	twenty and beyond,
Reception	to twenty and	first, second, third	numbers, eleven,	numbers, eleven,	first, second, third	teens numbers,
	beyond	twentieth, count, count	twelve twenty	twelve twenty	twentieth, count, count	eleven, twelve
	teens numbers,	(up) to, count on (from,	first, second, third	first, second, third	(up) to, count on (from,	twenty
	eleven, twelve	to),	twentieth, count,	twentieth, count, count	to),	first, second, third
	twenty	count back (from, to)	count (up) to, count on	(up) to, count on (from,	count back (from, to)	twentieth, count,
	first, second,	count in ones, is the same	(from, to),	to),	count in ones, is the same	count (up) to, count
	third twentieth	as, more, less, odd, even,	count back (from, to)	count back (from, to)	as, more, less, odd, even,	on (from, to),
	count, count (up)	few, pattern, pair	count in ones, is the	count in ones, is the	few, pattern, pair	count back (from, to)
	to, count on		same as, more, less,	same as, more, less,		count in ones, is the
	(from, to),		odd, even, few,	odd, even, few, pattern,		same as, more, less,
	count back (from,	Numbers up to 5	pattern, pair	pair	Numbers beyond 10	odd, even, few,
	to)	Have a deep				pattern, pair
	count in ones,	understanding of number			Build and identify	
	is the same as,	to 10, including the	Numbers up to 5	Numbers to 10	numbers to 20 (and	
		composition of each		Have a deep	beyond)	Number
		number		understanding of		

more, less, odd,		Subitise (recognise	number to 10, including	Explore 'How much is	Have a deep
even, few,	Subitise (recognise	quantities without	the composition of each	100?'	understanding of
pattern,	quantities without	counting) up to 5	number		number to 10,
pair	counting) up to 5			Numbers to 10	including the
			Automatically recall	Have a deep	composition of each
	Automatically recall	Numbers to 10	(without reference to	understanding of number	number
	(without reference to	Have a deep	rhymes, counting or	to 10, including the	
Shape	rhymes, counting or other	understanding of	other aids) number	composition of each	Automatically recall
Matching objects	aids) number bonds up to	number to 10,	bonds up to 10	number	(without reference to
and shapes	5 (including subtraction	including the	(including subtraction		rhymes, counting or
including, size,	facts)	composition of each	facts)	Automatically recall	other aids) number
colour, pattern.		number		(without reference to	bonds up to 10
Say what is the	Explore and represent		Explore and represent	rhymes, counting or other	(including subtraction
same/different.	patterns within numbers	Automatically recall	patterns within	aids) number bonds up to	facts)
	up to 10, including evens	(without reference to	numbers up to 10,	10 (including subtraction	
Sort objects by	and odds, double facts	rhymes, counting or	including evens and	facts)	Explore and represent
attributes	and how quantities can	other aids) number	odds, double facts and	Explore and represent	patterns within
including by	be distributed equally	bonds up to 10	how quantities can be	patterns within numbers	numbers up to 10,
shape, colour and		(including subtraction	distributed equally	up to 10, including evens	including evens and
size.	Link the number symbol	facts)		and odds, double facts	odds, double facts and
	(numeral) with its			and how quantities can be	how quantities can be
Know that a	cardinal number value.	Explore and represent	Estimate quantities to	distributed equally	distributed equally
collection of		patterns within	10		
objects can be	<u>Vocabulary</u>	numbers up to 10,			Sharing and Grouping
sorted in different	Ones, the same number	including evens and	Understand the 'one	Estimate quantities to 10	Recognising equal and
ways.	as, as many as, more,	odds, double facts and	more than/one less		unequal groups.
	larger, bigger, greater	how quantities can be	than' relationship	Understand the 'one more	
Measure	fewer, smaller, less	distributed equally	between consecutive	than/one less than'	Make equal groups of
Compare	fewest, smallest, least		numbers.	relationship between	objects.
quantities using	most, biggest, largest,			consecutive numbers.	
the language of	greatest, one more, ten	Estimate quantities to	Link the number symbol		Spatial reasoning
more, same and	more, one less, ten less,	10	(numeral) with its	Link the number symbol	Understand that
fewer.	compare, last, last but		cardinal number value.	(numeral) with its cardinal	patterns and models
	one	Understand the 'one		number value.	can be replicated.
Compare objects	before, after, next,	more than/one less	Shape		
by size, mass and	between, guess	than' relationship	2D/3D shapes: select,	Add and takeaway using	Patterns and
capacity.	How many?	between consecutive	rotate and manipulate	the first, then, now	relationships
	about the same as	numbers.	shapes in order to		

<u>Vocabulary</u>	just over, just under		develop spatial	structure and concrete	Copy, continue and
More, fewer,	too many, too few	Link the number	reasoning skills.	resources.	create a widening
greater, smaller,	enough, not enough	symbol (numeral) with			range of repeating
long, short, tall/	teens	its cardinal number	2D/ 3D shapes:	Vocabulary	patterns.
short,	balance	value.	compose and	number sentence, add,	
Longest, shortest,	equal		decompose shapes so	more, and, make, total,	Copy, continue and
heavy		Measure	that children recognise	altogether,	create a widening
Light, heaviest,		Compare objects by	a shape can have other	double, one more	range of symmetrical
lightest, full,	Shape	size, mass and	shapes within it, just as	How many more to make	constructions.
empty, more, less,	Know that a circle has	capacity.	numbers can.	?	
most, least,	one curved side.			How many more is than	Vocabulary
compare, order,		Compare objects by	<u>Vocabulary</u>	?	Pattern, same,
size	Know that a triangle has	height and length. Use	Square, circle,	How much more?	different, repeating,
	three straight sides and	indirect comparisons	rectangle, triangle, side,	Equals, balances,	symmetrical,
	three corners.	about length.	corner, pyramid, cone,	take away	asymmetrical
Patterns and			cube, cuboid, sphere	How many are left/left	
relationships	Vocabulary	<u>Vocabulary</u>		over?	Spatial reasoning
Copy, continue	Square, circle, rectangle,	Long, short, tall/ short,		How many have gone?	Know that we can
and create	triangle, side, corner	Longest, shortest,		one less	make maps and plans
patterns including	Position	heavy	Patterns and	How many fewer is than	to represent places
repeating	Use positional language	Light, heaviest,	relationships	?	and show where
patterns.	to describe how an item	lightest, full, empty,	Copy, continue and	difference between,	something is.
	is positioned compared to	more, less, most, least	create patterns	equals, balances	
<u>Vocabulary</u>	another item.		including repeating		<u>Vocabulary</u>
Pattern, same,			patterns.		in front , behind, on
different,	<u>Vocabulary</u>			Shape/Spatial reasoning	top, of , under, above,
repeating,	in front, behind, on top,		<u>Vocabulary</u>	Know that shapes can be	below
symmetrical,	of, under, above, below	Time	Pattern, same,	combined or separated to	next to, first, second
asymmetrical	next to	Talk about key events	different, repeating,	make new shapes.	
		in daily routines.	symmetrical,		
	Time		asymmetrical		
	Talk about key events in	Recognise that some			
	daily routines.	events happen on the	Money		
		same day each week.	Using language of		
	Vocabulary	Use yesterday and	money/ role-play shop		
	Quicker, slower, before,	tomorrow.	linked to topic.		
	after, next, first, today,		<u>Vocabulary</u>		
	yesterday, tomorrow,		Coin, note, one pence		

		morning, afternoon, evening, clock, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday	Talk about significant events in their lives.			
		Sunday				
Number	Number Sense anin	nations run through all	Number Sense animation	ons run through all	Linked Number Sense anim	nations run through all
Sense	topics:		topics:		topics:	
Reception	Book 1- Subitising 1	and 2	Book 3- Subitising 1 to 4		Book 13- Patterns in numbe	ers to 10
	Book 2- Subitising 1	to 3	Book 4- Subitising 1 to 5			
	Book 6- Partitioning	2	Book 5- Subitising 6 to 1	0		
	Book 7- Partitioning	3	Book 8- Partitioning 4			
			Book 9- Partitioning 5			
			Book 10- Partitioning 10			
			Book 11- Composition of 6 to 9			
			Book 12- Comparing quantities to 10			
			Book 13- Patterns in nur	nbers to 10		
Кеу	Baseline - Statutory	1	Spring 2 - Number fluen	су	EYFSP – Statutory	
Assessments	Aut 2 - Number flue	ncy			Summer 2 - Number fluency	y
Year 1	Number and place	Addition and Subtraction	Number and place	Addition and	Multiplication and	Number and place
	value (within 10)	(within 10)	value (within 20)	Subtraction (within 20)	Division	value (within 100)
	Count to and		Count to and across	Read, write and		
		Read, write and	100, forwards and	understand calculations	Solve one-step problems	Count to and across
						100, forwards and
	forwards and	understand calculations	backwards.	with +, - and = signs.	involving multiplication	backwards
	forwards and backwards.	with +, - and = signs.	backwards.	with +, - and = signs.	and division, by	backwards.
	forwards and backwards.	with +, - and = signs.	backwards. Count, read and write numbers to 100.	with +, - and = signs. Represent and use number bonds and	and division, by calculating the answer using concrete objects.	backwards. Count. read and write
	forwards and backwards. Count, read and	with +, - and = signs. Represent and use number bonds and	backwards. Count, read and write numbers to 100.	with +, - and = signs. Represent and use number bonds and related subtraction	and division, by calculating the answer using concrete objects, pictorial representations	backwards. Count, read and write numbers to 100.
	forwards and backwards. Count, read and write numbers to	with +, - and = signs. Represent and use number bonds and related subtraction facts.	backwards. Count, read and write numbers to 100. Find one more or one	with +, - and = signs. Represent and use number bonds and related subtraction facts.	and division, by calculating the answer using concrete objects, pictorial representations and arrays with the	backwards. Count, read and write numbers to 100.
	forwards and backwards. Count, read and write numbers to 100.	with +, - and = signs. Represent and use number bonds and related subtraction facts.	backwards. Count, read and write numbers to 100. Find one more or one less of a given number.	with +, - and = signs. Represent and use number bonds and related subtraction facts.	and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	backwards. Count, read and write numbers to 100. Find one more or one
	forwards and backwards. Count, read and write numbers to 100.	understand calculations with +, - and = signs. Represent and use number bonds and related subtraction facts. Add and subtract one-	backwards. Count, read and write numbers to 100. Find one more or one less of a given number.	with +, - and = signs. Represent and use number bonds and related subtraction facts. Add and subtract one-	involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	backwards. Count, read and write numbers to 100. Find one more or one less of a given
	forwards and backwards. Count, read and write numbers to 100. Identify and represent	 understand calculations with +, - and = signs. Represent and use number bonds and related subtraction facts. Add and subtract one- digit and two-digit numbers to 10, including 	backwards. Count, read and write numbers to 100. Find one more or one less of a given number. Read and write	with +, - and = signs. Represent and use number bonds and related subtraction facts. Add and subtract one- digit and two-digit	involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher <u>Vocabulary</u>	backwards. Count, read and write numbers to 100. Find one more or one less of a given number.

objects and				Arrays, lots of,	Count in multiples of
pictures	Solve one-step problems	<u>Vocabulary</u>	Solve one-step	multiplication, division,	2.
	that involve addition and	Sort, First, second,	problems that involve	grouping, sharing	
	subtraction, using	third	addition and		Count in multiples of
Find one more or	concrete objects and	Represent, Number,	subtraction, using	Fractions	5.
one less of a given	pictorial representations,	Numeral, Multiples,	concrete objects and	Recognise, find and name	
number.	and missing number	Partitioning, Ones,	pictorial	a half as one of two equal	Count in multiples of
	problems such as 3 =? – 5	Tens, Equal to,	representations, and	parts of an object, shape	10.
Read and write		More than, Less than	missing number	or quantity	
numbers from 1 to	<u>Vocabulary</u>	(fewer), Most,	problems such as 7 =? –		<u>Vocabulary</u>
10 in digits and	put together, add,	Least, Odd, Even	9	Recognise, find and name	Sort, First, second,
words.	altogether, total, take			a quarter as one of four	third
<u>Vocabulary</u>	away, distance between,	Addition and	<u>Vocabulary</u>	equal parts of an object,	Represent, Number,
Sort, First, second,	difference between, more	Subtraction (within	put together, add,	shape or quantity.	Numeral, Multiples,
third	than and less than	20)	altogether, total, take		Partitioning, Ones,
Represent,		Read, write and	away, distance	<u>Vocabulary</u>	Tens, Equal to,
Number,	Geometry-Shape	understand	between, difference	whole, half, quarter, equal	More than, Less than
Numeral,	Recognise and name 2-D	calculations with +, -	between, more than	parts, unequal parts	(fewer), Most, Least,
Multiples,	shapes.	and = signs.	and less than		Odd, Even
Partitioning, Ones,				Geometry – Position and	
Tens, Equal to,	Recognise and name 3-D	Represent and use	Measurement –	direction	Money
More than, Less	shapes.	number bonds and	Length, height, mass		Recognise and know
than (fewer),		related subtraction	and volume	Describe position,	the value of different
Most,	<u>Vocabulary</u>	facts.		direction and movement,	denominations of
Least, Odd, Even	sides, vertices, faces,		Compare, describe and	including whole, half,	coins and notes
	edges, properties,	Add and subtract one-	solve practical	quarter and three quarter	
Addition and	pyramids	digit and two-digit	problems for:	turns.	<u>Vocabulary</u>
Subtraction		numbers to 20,	 lengths and heights] 		Coin, note
(within 10)		including zero	- mass/weight	Vocabulary	1p,2p,5p,10p,20p,50p,
Read, write and			- capacity and volume	position, direction,	£1,£2,£5,£10
understand		Solve one-step		motion, left and right, top,	
calculations with		problems that involve	Measure and begin to	middle and bottom, on	Time
+, - and = signs.		addition and	record the following:	top of, in front of, above,	Compare, describe
		subtraction, using	- lengths and heights	between, around, near,	and solve practical
Represent and use		concrete objects and	- mass/weight	close and far, up and	problems for time
number bonds		pictorial	 capacity and volume 	down, forwards and	Measure and begin to
and related		representations, and		backwards, inside and	record the time
subtraction facts.		missing number	Vocabulary		

	Add and subtract one-digit and two- digit numbers to 10, including zero Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 3 =? – 5 Vocabulary put together, add, altogether, total, take away, distance between, difference		problems such as 7 =? – 9 <u>Vocabulary</u> put together, add, altogether, total, take away, distance between, difference between, more than and less than	mass, volume, long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, half, half full, quarter full/empty	outside, half, quarter and three quarter turns	Sequence events in chronological order using mathematical language Recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. <u>Vocabulary</u> quicker, slower, earlier, later, hours, minutes, seconds, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and
	away, distance between, difference between, more than and less than					first, today, yesterday, tomorrow, morning, afternoon and evening, week, month, year, o'clock, half past
Number	Number Sense	Number Sense	Number Sense	Number Sense	Number Sense	Number Sense
Sense Year 1	Stage 1 - Visual Number Foundations	Stage 2 Make and Break numbers to ten Books 5-7	Stage 3 Facts and strategies within ten Books 1-3	Stage 3 Facts and strategies within ten Books 4-6	Stage 3 Facts and strategies within ten Books 7-9	Stage 4 Ten and a Bit – Book 1
	Stage 2 Make and Break numbers to ten Books 1 - 4			Consolidation	Consolidation	Consolidation
Assessment Year 1	Number Fluency	Number Fluency	Number Fluency	Number Fluency	Number Fluency	Number Fluency

Year 2	Number, place	Addition and Subtraction	Measures – Money	Measurement - Time	Statistics	Fractions
	value and			Read the time on a clock	Read scales in divisions of	Identify fractions of a
	rounding	Add and subtract any 2	Find different		ones, twos, fives and tens	number or shape, and
		two-digit numbers using	combinations of coins	Compare and sequence		know that all parts
	Partition any two-	an efficient strategy,	that equal the same	intervals of time	Interpret and construct	must be equal parts of
	digit number into	explaining their method	amounts of money		simple pictograms, tally	the whole
	different	verbally, in pictures or		Tell and write the time	charts, block diagrams and	
	combinations of	using apparatus (e.g. 48 +	Recognise and use	to five minutes,	simple tables	Recognise, find, name
	tens and ones,	35; 72 – 17)	symbols for pounds (£)	including quarter		and write fractions 3 1
	explaining their	, ,	and pence (p); combine	past/to the hour and	Ask and answer simple	, 4 1 , 4 2 and 4 3 of a
	thinking verbally,	Recall all number bonds to	amounts to make a	draw the hands on a	questions by counting the	length, shape, set of
	in pictures or using	and within 10 and use	particular value	clock face to show these	number of objects in each	objects or quantity
	apparatus	these to reason with and		times	category and sorting the	,
		calculate bonds to and			categories by quantity	Write simple fractions
	Count in steps of 2,	within 20. recoanising	Solve simple problems	Know the number of	0 , 1 ,	for example, 2 1 of 6 =
	3, and 5 from 0,	other associated additive	in a practical context	minutes in an hour and	Ask and answer questions	3 and recognise the
	and in tens from	relationships (e.a. If 7 + 3	involving addition and	the number of hours in	about totalling and	equivalence of 4 2 and
	any number,	= 10. then 17 + 3 = 20: if 7	subtraction of money	a day	comparing categorical	2 1.
	forward and	-3 = 4, then $17 - 3 = 14$:	of the same unit,	Vocabulary	data	
	backward	leading to if $14 + 3 = 17$.	including giving change	minute hand	Vocabulary	Vocabulary
		then 3 + 14 = 17, 17 – 14 =		hour hand	block graph / bar charts	<u>_</u> _
	Recognise the	3 and 17 - 3 = 14	Vocabularv	quarter past	Venn diagram. Carroll	third
	place value of each		total cost,	guarter to	diagram, table, category	eguivalence
	digit in a two-digit		change	5 past, 10 past, 20 past.	total, compare, scale	•
	number (tens,		0	25 past	calendar.	
	ones)	Solve problems with	Multiplication and	5 to, 10 to , 20 to, 25 to	How many more?	Consolidation
		addition and subtraction:	Division	24 hours in a day	How many fewer?	
	Identify, represent	• using concrete	Recall multiplication		,	
	and estimate	objects and	facts for 2. 5 and 10	Measures – Capacity.	Geometry -2	
	numbers using	nictorial	and use them to solve	Mass. length and	Order and arrange	
	different	representations	simple problems.	height and	combinations of	
	representations,	including those	demonstratina an	temperature	mathematical objects in	
	including the	involving	understanding of		patterns and sequences	
	number line	numbers	commutativity as	Read scales in divisions		
		quantities and	necessary	of ones, twos. fives and	Use mathematical	
	Compare and	measures	,	tens	vocabulary to describe	
	order numbers	 annlying their 	Recall and use		position, direction and	
	from 0 up to 100;	- applying them	multiplication and		movement. including	
	use and = signs	increasing			,	

	knowledge of	division facts for the 2,	Choose and use	movement in a straight	
Read and write	mental and	5 and 10 multiplication	appropriate standard	line and distinguishing	
numbers to at	written	tables, including	units to estimate and	between rotation as a turn	
least 100 in	methods	recognising odd and	measure length/height	and in terms of right	
numerals and in	 recall and use 	even numbers	in any direction (m/cm);	angles for quarter, half and	
words	addition and		mass (kg/g);	three-quarter turns	
	subtraction	Calculate	temperature (°C);	(clockwise and	
Use place value	facts to 20	mathematical	capacity (litres/ml) to	anticlockwise).	
and number facts	fluently, and	statements for	the nearest appropriate	<u>Vocabulary</u>	
to solve problems.	derive and use	multiplication and	unit, using rulers,	clockwise	
	related facts up	division within the	scales, thermometers	anticlockwise	
Vocabulary	to 100	multiplication tables	and measuring vessels	rotation	
two	Add and subtract numbers	and write them using			
hundred one	using concrete objects,	the multiplication (×),	Compare and order		
thousand	pictorial representations,	division (÷) and equals	lengths, mass,		
count on in 3s,	and mentally, including:	(=) signs	volume/capacity and		
tally	 a two-digit 		record the results using		
twenty-first,	number and ones	Show that	>, < and =		
twenty-second	 a two-digit 	multiplication of two			
greater than, >	number and tens	numbers can be done	<u>Vocabulary</u>		
less than, <	 two two-digit 	in any order	standard unit		
equal (to), =	numbers	(commutative) and	kilogram		
column	 adding three one- 	division of one number	half a kilogram		
partition	digit numbers	by another cannot	quarter of a kilogram		
most/greatest	Show that addition of two		grams		
number pattern	numbers can be done in	Solve problems	degrees		
equivalent to	any order (commutative)	involving	positive/negative		
multiple of	and subtraction of one	multiplication and	estimate		
		division, using	measure		

number from another	materials, arrays,		
cannot	repeated addition,		
	mental methods, and		
Recognise and use the	multiplication and		
inverse relationship	division facts, including		
between addition and	problems in contexts		
subtraction and use this to	<u>Vocabulary</u>		
check calculations and	times table		
solve missing number	multiplication, row,		
problems.	column, fact family		
Vocabulary	odd,		
Increase, tens boundary,	even, commutative		
Commutative, partition	multiplication fact,		
fact family, regrouping,	multiplication table,		
partitioning, crossing,	repeated addition,		
empty box, inverse,	multiple of 2,		
ten more, number bonds	multiple of 5,		
for 20	multiple of 10,		
number bonds within 20,	multiply		
check, difference,			
between,			
equals, is the same as,			
minus, order			



Number	Stage 3 Facts and	Stage 5 - Facts and	2,5 and 10 times tables	Stage 5 - Facts and	Consolidation (including	Number Sense Stage 6
Sense	strategies within	Strategies across ten.		Strategies across ten -	multiplication and	- Extending Facts and
Year 2	ten –	Books 3-7		Consolidation.	division) & SATs	Strategies Beyond the
	Consolidation					Grids – Consolidation
				Stage 6 - Extending		
	Stage 4 Ten and a			Facts and Strategies		2,5 and 10 times
	Bit –			Beyond the Grids		tables
	Consolidation					
	Stage 5 - Facts and					
	Strategies across					
	ten. Books 1-2					
Assessment	Number Fluency	Number Fluency	Number Fluency	Number Fluency	SATs – Statutory	TAF – Statutory
Year 2					(Optional from 2024)	Number Fluency
					Number Fluency	
Year 3	Pupils transitioning to Greenway Junior School will continue to follow the White Rose Scheme of Learning for maths.					
Greenway	https://whiterosemaths.com/					
Junior	https://www.greenwayschool.org.uk/50/subjects/subject/20/maths					
School						