Highgate Primary Year I Maths Curriculum

WALT: We Are Learning To WAP: We Are Practising

Autumn I: The World Through Our Senses

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency			
I	•	Week: Counting practice							
2	Number								
	Numbers to		1			T			
	• count, read an numerals	nd write numbers to [10] in	Sort objectsCount objectsCount objects from	Cubes, counters, dice Same, different ,count(ing),	Spot the mistake: 5,6,8,9 Missing numbers				
	WALT represen		a larger group Represent objects	forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole					
3	numerals and • given a numbe WALT recognis WALT read and WALT count fo WALT use object	e numbers from 1 to [10] in words er, identify one more e numbers up to 10 l write numbers up to 10 rwards from any number cts to find one more ur counting skills to find one more	Recognise numbers as words Count on from any number Count one more	Cubes, Numicon Introduce Number track, ten-frame Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	What's the same, what's different Counting forwards and backwards				
4	use the langua than (fewer), i WALT count ba WALT count ba WALT use objectively WALT use our officers.	er, identify one less ge of: equal to, more than, less most, least ackwards within 10 ackwards from any number acts to find one less acounting skills to find one less at the size of groups of objects by	 Count backwards within 10 Count one less Compare groups by matching 	Cubes, Numicon, number track Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Do, then explain Look at the objects. Are there more of one type than another? How can you find out? NRICH Same Length Trains				

5	 use the language of: equal to, more than, less than (fewer), most, least identify and represent numbers using objects and pictorial representations including the number line WALT use 'comparing' words: fewer, more, same WALT use comparing words: less than, greater than, equal to WAL the meaning of the = sign WALT compare and describe groups of objects WALT compare and describe numbers 	 Fewer, more, same Less than, greater than, equal to Compare numbers 	Ten-frame, number track, cubes, Numicon Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Prove it Convince me that you've ordered the numbers correctly NRICH Number Balance	
6	 use the language of: equal to, more than, less than (fewer), most, least identify and represent numbers using objects and pictorial representations including the number line WALT put groups of objects into size order WALT put numbers into size order WALT count along a numberline WALT use a numberline to find one more and one less WALT use a numberline to compare numbers 	 Order objects and numbers The number line 	Numicon, cubes, ten- frame, printed/partly- printed numberlines Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	NRICH Eightness of Eight	
7	Number				
	Calculation: Addition and subtraction	within 10 (1)			
	 read, write and interpret mathematical statements involving addition (+) and equals (=) signs solve one-step problems that involve addition WAL what is a part and what is a whole WALT represent numbers with a part-whole model WALT use the addition sign in an equation WALT use the part-whole model to write an equation WALT use the part-whole model to find fact families 	 Introduce parts and wholes Part-whole model Write number sentences Fact families – addition facts 	Double-sided counters, cubes, bead-string Introduce Part-whole model Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Prove it Convince me that if a+ b = c then b + a = c Spot the mistake in a part-whole model (then explain it) What's the same, what's different (fact families) NRICH Number Balance	
8	represent and use number bonds within [10]solve one-step problems that involve addition	Number bonds within 10	Double-sided counters, cubes, part-whole model, ten-frame	Continue the pattern 0 + 5 = 5, + 4 = 5 Explain the pattern	

WALT find number bonds to 1, 2, 3, etc. WALT find all the bonds for a number up to 10 WALT find all the number bonds for 10 WAP number bonds to 10 using WAP number bonds to 10 using	Systematic number bonds within 10 Number bonds to 10	Introduce Rekenrek, bar model Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	NRICH One Big Triangle NRICH Domino Sorting	
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Autumn 2: Celebrations

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
I	 add one-digit number solve one-step proble solve missing number WALT add by combining WALT add by adding m WALT represent addition 	ng amounts nore to an existing amount ion in different ways umber in a part-whole model	• Addition – add together • Addition – add more • Addition problems	Cubes, part-whole model, ten-frame, Rekenrek, number line Count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole, first, plus, add(ition), ones, Not statutory, but desirable:	Working backwards Through practical games on number tracks and lines ask questions e.g. "what numbers would you need to throw to land on a given numbers?" NRICH Domino Sorting NRICH Number Lines NRICH Number Balance	Mastering Number
2	involving subtraction subtract one-digit num represent and use rel [10] solve one-step proble missing number prob WALT find a part of a w WALT understand subt whole WALT use the subtract	mbers to [10], including zero lated subtraction facts within ems that involve subtraction, and lems whole traction as finding a part of a tion sign nole model to find subtraction	Find a part Subtraction — find a part Fact families — the eight facts	minuend, subtrahend Counters, part-whole model, digit cards, cubes Count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole, first, plus, add(ition), ones, subtract(ion), minus Not statutory, but desirable: minuend, subtrahend, difference	What do you notice? 10 - 1 = 9, 10 - 9 = 1 Can you show me other pairs of equations like this? What's the same, what's different (fact families) NRICH Number Lines NRICH How Do You See it?	Mastering Number

3	 read, write and interpret mathematical statements involving addition, subtraction and equals signs add and subtract one-digit numbers to [10], including zero solve one-step problems that involve subtraction WALT understand subtraction as finding how many are left WALT calculate subtraction by taking away WALT use a number line to subtract WAP using a number line to subtract WALT quickly add or subtract I or 2 	Subtraction - take away, cross out (How many left?) Take away (How many left?) Subtraction on a number line Add or subtract 1 or 2	Leaves and other objects, counters, part-whole model, printed numberline Count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole, first, plus, add(ition), ones, subtract(ion), minus Not statutory, but desirable: minuend, subtrahend, difference	Working backwards Missing symbols Write the missing symbols (+ - =) in these equations: 17 3 20 18 20 2 NRICH Number Lines NRICH 2, 4, 6, 8	Mastering Number
4	Geometry				
	 Properties of shape recognise and name common 3-D shapes, including cuboids (including cubes), pyramids and spheres WALT find and name 3-d shapes WALT construct 3-d shapes WALT make 2-d drawings of 3-d shapes WALT sort 3-d shapes 	 Recognise and name 3-d shapes Sort 3-d shapes 	3-d shapes Pattern, 2-D, rectangle/oblong, circle, square, triangle 3-D, cube, cuboid, pyramid, sphere, side(s), right, top, middle, bottom, in front of, behind, between, above, below, around, near, close, far, up, down, forwards, backwards, inside, outside Not statutory, but desirable: clockwise	Visualising Put some shapes in a bag. Find me a shape that has more than three edges. What's the same, what's differentbetween these 2 shapes? Working backwards How have I sorted these shapes into 2 groups?	Mastering Number
5	 recognise and name common 2-D shapes. including rectangles (including squares), circles and triangles WALT find and name 2-d shapes WALT draw 2-d shapes in different ways WALT sort 2-d shapes according to their properties WALT create and recognise patterns with 2-d shapes WALT create and recognise patterns with 3-shapes 	 Recognise and name 2-d shapes Sort 2-d shapes Patterns with 3-d and 2-d shapes 	2-d and 3-d shapes Pattern, 2-D, rectangle/oblong, circle, square, triangle 3-D, cube, cuboid, pyramid, sphere, side(s), right, top, middle, bottom, in front of, behind, between, above, below, around, near, close,	What's the same, what's different? Find a rectangle and a triangle. Tell me one thing that's the same about them. Tell me one thing that is different about them. Spot the mistake Which shape(s) in this sequence is in the wrong place? NRICH Jig Shapes NRICH Always, Sometimes or Never? KSI NRICH Repeating Patterns NRICH Overlaps	Mastering Number

		far, up, down, forwards, backwards, inside, outside	
		Not statutory, but desirable: clockwise	
6 and	Warm-Down Weeks		Mastering
7	Consolidation of previous learning		Number

Spring I: Whatever the Weather

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
1	Place Value Numbers to 20	I	I			
	 count to and across 100, forw beginning with 0 or 1, or from count, read and write number count in multiples of 2s, 5s and given a number, identify one or identify and represent number pictorial representations read and write numbers from and words WALT count numbers greater to WALT write numbers greater to WALT make numbers greater to WALT use tens and ones to mathan ten WALT find and make one more 	n any given number rs to 100 in numerals; ad 10s more and one less rs using objects and a 1 to 20 in numerals than 10 than 10 than 10 ake numbers greater	 Count within 20 Understand 10 Understand 11,12 and 13 Understand 14,15,16 Understand 17,18,19 	Numicon, 10-frame, number track, part-whole model Introduce Base-10 equipment Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Do, then explain Use equipment to make a number less than 10. Add 10 to it. What number do you have now? Explain how it is connected to the number you started with. NRICH Writing Digits NRICH Eightness of Eight	Mastering Number
2	 Given a number, identify I me Identify and represent number pictorial representations incluand use the language of: equathan (fewer), most, least Count, read and write number count in multiples of 2s, 5s and 	ers using objects and uding the number line, I to, more than, less ers to 100 in numerals;	 Understand 20 I more and I less The number line to 20 Use a number line to 20 	Numicon, 10-frame, number track, part-whole model Introduce Base-10 equipment Same, different, count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Do, then explain Look at the objects. (in a collection). Are there more of one type than another? How can you find out?	Mastering Number
3	Identify and represent number pictorial representations incluand use the language of: equathan (fewer), most, least	uding the number line,	 Estimate on a number line to 20 Compare numbers to 20 	Counters, cubes, Numicon, ten-frame, number track, base-10 equipment	Spot the Mistake Which number(s) is/are in the wrong place? 6 8 10 12 16 14 18 20 Find all the possibilities	Mastering Number

	WALT compare the size of groups of objects WALT compare the size of numbers WALT arrange groups of objects in size order WALT arrange numbers in size order	• Order numbers to 20	Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	I have 2 numbers. Both my numbers are more than 10 and less than 20. One of my numbers is 3 fewer than my other number. What could my numbers be? NRICH Sweetie Box	
4	Number				1
4	 Calculation: Addition and subtraction read, write and interpret mathematical statements involving addition (+) and equals (=) signs represent and use number bonds within 20 add one-digit and two-digit numbers to 20, including zero solve one-step problems that involve addition, using concrete objects and pictorial representations WALT add by counting on from a starting number WALT find and make number bonds WALT add by making 10 using a 10-frame WALT add by making 10 using a numberline WALT choose how to add by making 10 	Add by counting on within 20 Add ones using number bonds Find and make number bonds to 20 Doubles Near doubles	Ten-frame, bar model, printed numberline, counters, part-whole model Count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole, first, plus, add(ition), ones, subtract(ion), minus	NRICH Butterfly Flowers NRICH Ladybirds in the Garden NRICH Pairs of Numbers NRICH What Could it Be?	Mastering Number
5	 read, write and interpret mathematical statements involving subtraction (–) and equals (=) signs subtract one-digit and two-digit numbers to 20, including zero solve one-step problems that involve subtraction, using concrete objects and pictorial representations WALT take away from numbers below 10 WALT use a 10-frame to take away by crossing 10 WALT use a numberline to take away by crossing 10 WALT subtract by finding the difference between numbers up to 10 WALT subtract by finding the difference between numbers up to 20 	 Subtract ones using number bonds Subtraction - counting back Subtraction - finding the difference 	Ten-frame, counters, part-whole model, Numicon, printed numberline, bar model Count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole, first, plus, add(ition), ones, subtract(ion), minus	What do you notice? - = 0	Mastering Number

6	read, write and interpret mathematical statements	Related facts	Ten-frame, part-whole	Continue the pattern	Mastering
	involving addition (+), subtraction (-) and equals (=)	 Missing number 	model, base-10, Numicon,	10 + 8 = 18	Number
	signs	problems	bar model	11 + 7 = 18	
	 represent and use number bonds and related 			Can you make up a similar pattern for the number 17?	
	subtraction facts within 20		Count(ing), forwards,	How would this pattern look if it included subtraction?	
	add and subtract one-digit and two-digit numbers to		backwards, more (than), less	Missing symbols	
	20, including zero		(than),	Write the missing symbols (+ - =) in these number	
	 solve one-step problems that involve addition and 		total, fewer (than), equal (to),	sentences:	
	subtraction, using concrete objects and pictorial		most, least, sum, amount,	17 3 20	
	representations, and missing number problems such		value, size, number, order,		
	as $7 = -9$		part, whole, first, plus,		
			add(ition), ones, subtract(ion),	18 20 2	
	WALT find related number facts		minus		
	WALT identify fact families			NRICH Sort Them Out	
	WALT compare addition and subtraction equations				

Spring 2: Toys

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
I	Place Value	l	l	1	<u>l</u>	
	beginning with 0 or 1, ccount, read and write nidentify and represent r	ount s into 10s and 1s rs to 50	 Count from 20 to 50 20, 30, 40 and 50 Count by making groups of tens Groups of tens and ones 	Printed numberline, counters, ten-frame, part-whole model, base-10, Numicon, straws/sticks, number tracks Ones, tens, grouping	Do, then explain Use concrete apparatus to make the number 31. Then make the number 29. Which was easiest to make, and why? Spot the mistake Use base-10. Four Is and two 10s make the number 42 And another, and another Find me a number that has more tens than ones. And another. And another NRICH Biscuit Decorations NRICH Grouping Goodies (hard)	Mastering Number
2	pictorial representation and use the language of than (fewer), most, leas WALT find one more and number WALT compare the size	numbers using objects and his including the number line, for equal to, more than, less set and one less than a given of groups of objects as using the greater than and	Partition into tens and ones The number line to 50 Estimate on a number line to 50 I more, I less	Base-10, bead string, number track, 100 square, printed numberline, Numicon, cubes, number track, dominoes, ten-frame, counters Introduce Spike abacus Partition, ones, tens, part, whole, estimate, one more, one less	What comes next? 36 + I = 37	Mastering Number
3	Measurement Length and heigh	t				
	lengths and heights [for longer/shorter, tall/sho		Compare lengths and heights Measure lengths using objects	Longer, shorter, taller, far, distance, measure, compare	Convince me Are you taller than you are long? Odd one out A worm, a whale, a stingray, a seahorse	Mastering Number

	WAL the difference between length and height WALT use the language of length and height WALT compare length and height WALT measure lengths using non-standard measures WAL the importance of accuracy when measuring			Explain your choice NRICH How Tall? NRICH Can You Do It Too?	
4	 compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] measure and begin to record lengths and heights WALT understand centimetres WALT use a ruler accurately WALT use a ruler to compare lengths WALT compare lengths by finding a difference (not WRM) 	Measure lengths using centimetres	Ruler Use as a context to reinforce previous learning on number and calculation Longer, shorter, centimetre(cm), far, distance, measure, compare	Working backwards My sister is 5 cm taller than me. She is 45 cm tall (we're both tiny!) How tall am I? What's the same, what's different? My piece of paper is 24 cm long. I cut 4 cm off the end of it My other piece of paper is 16 cm long. I stick an extra 4 cm on to the end of it	Mastering Number
5	Measurement	l	1		
	Weight and volume				
	 compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier than, lighter than] measure and begin to record mass / weight WALT understand weight and mass WALT describe heavier and lighter objects WALT measure mass using non-standard units WALT use non-standard units to compare the mass of objects WALT calculate with mass (not WRM) 	 Heavier and lighter Measure mass Compare mass 	Scales, Weigh, weight, heavy heavier (than) heaviest, light, lighter (than) lightest balance, (weighing) scales,	Top tips How do you know that this (object) is heavier than this one? Explain. Always, sometimes, never? Large objects are heavier than small objects. Possibilities Put an object on one side of the balance. How many ways can you find to make the balance balance? NRICH Seesaw Shenanigans	Mastering Number
6	 compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] measure and begin to record capacity and volume WALT understand capacity and volume WALT describe the volume of liquid [or sand, etc] in a container WALT measure capacity using non-standard units WALT use non-standard units to compare the capacity of containers WALT calculate with capacity (not WRM) 	Full and empty Compare volume Measure capacity Compare capacity	Scales, measuring jubs Weigh, weight, heavy heavier (than) heaviest, light, lighter (than) lightest balance, (weighing) scales,	Testing conditions A container has 2 cupfuls of water in it. How can you find out which cup (of a range of different cups) I used to put the water in the container? NRICH Thirsty? NRICH Bottles (I) and (2)	Mastering Number

Summer I: Amazing Architects

Wee k	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
I	Number	Park's and Prince	<u>I</u>			
	count in multiples of two: solve one-step problems calculating the answer usi	involving multiplication, by ng concrete objects, pictorial s with the support of the count in tens	 Count in 2s Count in 10s Count in 5s Recognise equal groups 	100 square, number track, Numicon, empty numberline, ten-frame, counters, bead string Total, multiples, amount, together, altogether, zero, how much, how many, number	Making links If one teddy has two apples, how many apples will three teddies have? Practical (or following week) If we put two pencils in each pencil pot how many pencils will we need? Spot the mistake Use a puppet to count but make some deliberate mistakes, e.g. 5 10 20 15 30 Making links Tell me some numbers that you say when you count in 2s and in 10s? 2s and 5s? 2s 5s and 10s? What do you notice?	Mastering Number
2		ng concrete objects, pictorial vs with the support of the help us count n an array	 Add equal groups Make arrays Make doubles 	Number track, counters, cubes, numberline, array, Numicon, ten-frame Total, multiples, amount, together, altogether, zero, how much, how many, number, arrays, doubles, equal	Always, sometime, never An array can be triangular An array has more rows than columns An array has lots of dots Convince me that 2 rows of 5 is the same value as 5 rows of 2 Odd one out 3 and 6 5 and 10 6 and 13 8 and 16 NRICH Doubling Fives	Mastering Number
3	solve one-step problems calculating the answer usi pictorial representations WALT divide objects into e WALT explore division into WALT share objects equally WALT explore dividing by explore dividing	ng concrete objects and equal groups o equal groups	Make equal groups — grouping Make equal groups - sharing equally	Cubes, objects Total, multiples, amount, together, altogether, zero, how much, how many, number, arrays, doubles, equal	Making links Here are 10 Lego people. If 2 people fit into the train carriage, how many carriages do we need? Possibilities Find all the ways of sharing 8 toys equally. Then 9 toys, 10 toys, 11 toys and 12 toys. Which has the most different ways of being shared equally? NRICH Share Bears NRICH Lots of Biscuits	Mastering Number

4	Number							
	Fractions							
	 recognise, find and name a half as one of two equal parts of an object, shape or quantity WALT split objects in half WALT find half of a shape WALT find half by sharing equally WALT find half of an amount WALT link halving and doubling (not WRM) 	 Recognise a half of an object or a shape Find a half of an object or a shape Recognise a half of a quantity Find a half of a quantity 	Array, cubes Half, quarter, share, sharing, groups, grouping, part, whole, equal parts, same size, bar	What do you notice? Choose a number of counters. Place them onto 2 plates so that there is the same number on each half. When can you do this and when can't you? What do you notice? NRICH Fair Feast NRICH Halving NRICH Happy Halving (hard!)	Mastering Number			
5	recognise, find and name a quarter as one of four equal parts of an object, shape or quantity WALT find a quarter of a shape WALT find a quarter by sharing equally WALT find a quarter of an amount WALT find halves and quarters WALT find a whole	 Recognise a quarter of an object or a shape Find a quarter of an object or a shape Recognise a quarter of a quantity Find a quarter of a quantity 	Array, cubes Half, quarter, share, sharing, groups, grouping, part, whole, equal parts, same size, bar	What do you notice? As in previous week, but with 4 plates for quarters not halves. What do you notice? True or false? Sharing 8 apples between 4 children means each child has I apple. (Explain your answer.) Odd one out One quarter of 12, one half of 10, one half of 6. Make up your own one like this.	Mastering Number			
6	Geometry							
	Position and direction							
	describe position, direction and movement, including whole, half, quarter and three-quarter turns WALT describe our own turns WALT describe the turns made by objects WALT use precise language to describe direction WALT use precise language to describe position	 Describe turns Describe position – left and right Describe position – forwards and backwards Describe positon – above and below Ordinal numbers 	Forwards, backwards, up, down, left, right, above, below, around, near, close, far, behind, between, in front of, top, middle, bottom	Working backwards This shape was turned three quarter of a full turn and ended up looking like this. What did it look like when it started? (practical) Working backwards Make some turns and tell your partner what you did and where you ended up. Can they use this information to start where you end and end up where you started? NRICH Turning NRICH Olympic Rings	Mastering Number			

Summer 2: Flowers and Insects

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency		
I	Number Numbers within 100							
	 count to and across 100, beginning with 0 or 1, or 1, or 2, or 2, or 2, or 3, or 3, or 4, or 4, or 4, or 5, or 5, or 5, or 5, or 5, or 6, or 7, or 7,	from any given number mbers to 100 in numerals; mbers using objects and including the number line ck count of 10 nto 10s and 1s	 Count from 50 to 100 Tens to 100 Partition into tens and ones The number line to 100 	Ten-frame, counters, straws, 100 square, Numicon, base-10, part-whole model Introduce Place value chart Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Odd one out 32 21 65 45 Do, then explain Show the value of the digit 2 in these numbers? 32 27 92 Explain how you know Always, sometimes, never A number with 8 ones is greater than a number with 5 ones NRICH Snail One Hundred	Mastering Number		
2	given a number, identify o identify and represent numpictorial representations is and use the language of: ethan (fewer), most, least WALT compare two-digit number walt with two-digit number walt find one more or on to 100	mbers using objects and including the number line, equal to, more than, less numbers ements ers in order of size	I more, I less Compare numbers with the same number of tens Compare any two numbers	Base-10, place value chart, 100 square, Numicon, coins, empty numberline, counters, empty number track, tenframe Introduce Place value counters Same, different ,count(ing), forwards, backwards, more (than), less (than), total, fewer (than), equal (to), most, least, sum, amount, value, size, number, order, part, whole	Make up an example Create numbers where the units digit is one less than the tens digit. What is the largest/smallest number? Do, then explain Which of these numbers is smallest? Largest? Explain how you know. 13 33 31 3 NRICH Two-digit Targets	Mastering Number		
3	Measurement Money							

	recognise and know the value of different denominations of coins and notes WALT recognise coins WALT recognise notes WALT exchange coins and notes WALT use coins to count in 2s, 5s and 10s WALT make different amounts with coins	 Unitising Recognising coins Recognising notes Count in coins 	Coins and notes coin note amount, penny/p pound/£, coin values: one pence, two pence, five pence, ten pence, twenty pence, fifty pence	Possibilities Ella has two silver coins. How much money might she have? Are there other possible answers? Spot the mistake I want to buy a card for 25p so I give the shopkeeper a 2p and a 5p. What was my mistake and why did I make it? Convince methat it's better to have seventy pennies than three 20 p coinsthat it's better to have nine 5p coins than four 10p coins.	Mastering Number			
4	Measurement							
	Time							
	 compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] recognise and use language relating to dates, including days of the week, weeks, months and years tell the time to the hour and draw the hands on a clock face WALT use the language of time WALT sequence events 	Before and after Days of the week Months of the year	Year, month, week, weekend, day, days of the week, months of the year, night, morning, afternoon, evening, yesterday	Explain thinking Ask pupils to reason and make statements about the order of daily routines in school e.g. daily timetable: we go to PE after we go to lunch. Is this true or false? What do we do before break time? etc. NRICH Times of Day NRICH Snap NRICH Planet Plex Time (or following week)	Mastering Number			
	WALT sequence events WAL the days of the week WAL the months of the year WALT read a clock (not WRM?)							
5	 compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] measure and begin to record time (hours, minutes, seconds) sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] 	 Hours, minutes and seconds Tell the time to the hour Tell the time to the half hour 	Year, month, week, weekend, day, days of the week, months of the year, night, hour, minute, second, morning, afternoon, evening, yesterday	The answer is15 minutes. What is the question? 30 seconds. What is the question? Always, sometimes, never When it is an o'clock time, both hands point to the 12. When it is half past, the hour hand points to a number.				