

# WHPS Maths Curriculum 2023-24

## Reception

Note: Reception overview is slightly different to the Y1-6 overviews. This overview simply shows the Mastering Number programme content that Reception use to teach all number objectives. Reception teachers will change the timings of units and lessons to suit the children's needs and developmental stages. They will also insert opportunities to teach the non-number related objectives from the Early Learning Goals.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1 MN	<b>4.9.23</b>	<b>11.9.23</b>	<b>18.9.23</b>	<b>25.9.23</b>	<b>2.10.23</b>	<b>9.10.23</b>	<b>16.10.23</b>	
	Settling in	Settling in	Subitising within 3	Focus on counting skills	Explore how all numbers are made of 1s The composition of 3 and 4	Subitise objects and sounds	Comparison of sets - 'just by looking' Use the language: more than and fewer than	
Autumn 2 MN	<b>30.10.23</b>	<b>6.11.23</b>	<b>13.11.23</b>	<b>20.11.23</b>	<b>27.11.23</b>	<b>4.12.23</b>	<b>11.12.23</b>	<b>18.12.23</b>
	Counting skills  Five-ness of 5 using one hand and the die pattern for 5	Comparison of sets - by matching  Use the language: more than, fewer than, an equal number	Explore the concept of whole and part	Focus on the composition of 3, 4 and 5	Practise object counting skills  Match numerals to quantities within 10  Verbal counting beyond 20.	Wiggle room for non-number objectives	Wiggle room for non-number objectives	Wiggle room - Whole school christmas maths exploration
Spring 1 MN	<b>8.1.24</b>	<b>15.1.24</b>	<b>22.1.24</b>	<b>29.1.24</b>	<b>5.2.24</b>			
	Subitise within 5 focusing on die patterns Match numerals to quantities within 5	Counting – focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number	Focus on 5	Focus on 6 and 7 as '5 and a bit'	Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal			
Spring 2 MN	<b>19.2.24</b>	<b>26.2.24</b>	<b>4.3.24</b>	<b>11.3.24</b>	<b>18.3.24</b>	<b>25.3.24</b>		

	Focus on the 'staircase' pattern and ordering numbers	Focus on ordering of numbers to 8 Use language of less than	Focus on 7	Doubles – explore how some numbers can be made with 2 equal parts	Sorting numbers according to attributes - odd and even numbers	Wiggle room for non-number objectives		
Summer 1 MN	<b>15.4.24</b>	<b>22.4.24</b>	<b>29.4.24</b>	<b>6.5.24</b>	<b>13.5.24</b>	<b>20.5.24</b>		
	Counting – larger sets and things that cannot be seen	Subitising – to 6, including in structured arrangements	Composition – '5 and a bit'	Composition - of 10	Comparison – linked to ordinality Play track games	Wiggle room for non-number objectives		
Summer 2 MN	<b>3.6.24</b>	<b>10.6.24</b>	<b>17.6.24</b>	<b>24.6.24</b>	<b>1.7.24</b>	<b>8.7.24</b>	<b>15.7.24</b>	<b>22.7.24</b>
	Subitise to 5 Introduce the rekenrek	Review and Assess  Automatic recall of bonds to 5	Review and Assess  Composition of numbers to 10	Review and Assess  Comparison	Review and Assess  Number patterns	Review and Assess  Counting	Wiggle room for non-number objectives	Wiggle room for non-number objectives

# Year 1

Wiggle room is built in for all year groups to allow teachers to address misconceptions, pre-teacher or re-teach in response to the cohort's needs, and adjust their timetable as required.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on R objectives	Place value within 10					Addition and subtraction within 10	
MN	Settling in	Practise subitising Recap the composition of 5	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Compare sets of objects by matching Use the language of comparison: more than and fewer than	Recap the order of numbers to 10 using the 'staircase' pattern Identify numbers that are '1 more' or '1 less' and apply this to sets of objects	Focus on numbers that can be made with 'doubles' Recap that even numbers can be made with 2 equal parts	
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	
	Addition and subtraction within 10					3D shape	2D shape	Wiggle room - Whole school christmas maths exploration
MN	Focus on odd and even numbers See that even numbers can be composed of 2s, and odd numbers have 'an odd 1'	Focus on the composition of 6 Use the 2-by-3 'egg box' pattern and the rekenrek to find all the ways that 6 can be composed	Focus on the composition of 8 Use 2-by-4 grid and the rekenrek to find all the ways that 8 can be composed	Focus on the composition of 10 Use 2-by-5 grid (10-frame) and the rekenrek to find all the ways that 10 can be composed	Focus on representations of ordinality Compare number tracks and number lines	Wiggle room	Wiggle room	Wiggle room
Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24			
	Place value within 20			Addition and subtraction within 20				
MN	Focus on the	Focus on the	Recap odd and	Explore the	Continue to explore			

	composition of 7 Use the Hungarian number pattern and the rekenrek to find all the ways that 7 can be composed	composition of 9 Focus on 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed	even numbers by looking at their 'shape' Explore how odd numbers can be composed of 1 odd part and 1 even part, and even numbers can be composed of 2 odd parts or 2 even parts	concept of part-part-whole, seeing that numbers can be partitioned into parts Use the language of 'whole', 'split' and 'part' alongside the part-partwhole diagram	how numbers can be partitioned Introduce systematic approach to partitioning Represent ways to partition numbers in a 'number house'		
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24	
	Addition and subtraction within 20		Place value within 50		Length and height		
MN	Continue to explore systematic partitioning of numbers within 10 Connect 2 equal parts to doubling and halving	Practise applying knowledge of '1 more than' and '1 less than' a number in relation to odd/ even numbers Connect this to 'first, then, now' stories	Explore the effect of adding or subtracting 2 to odd/ even numbers Apply to 'first, then, now' stories	Apply knowledge of composition of even numbers to subtract from 6, 8 and 10, for both the partitioning and reduction structures of subtraction	Apply knowledge of composition of odd numbers to subtract from 5, 7 and 9, for both the partitioning and reduction structures of subtraction	Wiggle room	
Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24	
	Mass and volume		Multiplication and division		Geometry position and direction		
MN	Focus on the composition of 11 to 15 as '10 and a bit' See this represented on a rekenrek, a doubledecker bus, and in partpart-whole diagrams	Focus on the position of the numbers 11 to 15 on the number line Recap midpoint on a 0 to 10 number line and see that 10 is the midpoint on a 0 to 20 number line.	Read, write and interpret expressions and equations with the + and = symbols to represent combining two sets (the aggregation structure of addition) Practise using knowledge of composition to identify the total/ sum	Read, write and interpret expressions and equations with the + and = symbols to represent an increase in a set (the augmentation structure of addition) Continue to use knowledge of composition to identify the total/ sum	Practise recalling the composition of the numbers 6, 7, 8 and 9 NB This week of material offers activities to develop automaticity and could be spread out over this half-term	Wiggle room	

Summer 2	3.6.24	10.6.24	17.6.24	24.6.24	1.7.24	8.7.24	15.7.24	22.7.24
	Place value within 100				Measurement - money	Time		Wiggle room
<b>MN</b>	Focus on the composition of 11 to 19 as '10 and a bit' Use a range of representations including the Hungarian number frame and the rekenrek	Read, write and interpret expressions and equations with the - and = symbols to represent the partitioning of a 'whole' (the partitioning structure of subtraction)	Read, write and interpret expressions and equations with the - and = symbols to represent the partitioning of a 'whole' (the reduction structure of subtraction)	Practise applying knowledge of composition when adding or subtracting Focus on the composition of 5, and 6 to 9 as '5 and a bit'	Practise applying knowledge of composition when adding or subtracting Focus on the composition of 10 and doubles within 10	Wiggle room	Wiggle room	Wiggle room

## Year 2

Wiggle room is built in for all year groups to allow teachers to address misconceptions, pre-teacher or re-teach in response to the cohort's needs, and adjust their timetable as required.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on Y1 objectives	Numbers within 100			Addition and subtraction of 2 digit numbers			
MN	Settling in	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit	Compare numbers within 10 using language of comparison when comparing sets of objects and numbers Use the inequality and equals symbols in expressions and equations	Focus on odd/ even parts when even numbers are composed of 2 parts, including when 2 parts are equal (doubles)	Focus on the composition of 6 Identify missing addends and complete missing symbols expressions and equations using the equals or inequality symbol	Focus on the composition of 8 Use 2-by-4 grid and the rekenrek to find all the ways that 8 can be composed Apply to expressions and equations	Focus on the composition of 10 Use 2-by-5 grid (10-frame) and the rekenrek to find all the ways that 10 can be composed Apply to expressions and equations	
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	
	Multiplication and division: 2, 5, 10			Time		Fractions (Y1 content - see white rose/early steps in NCETM PD materials)	Wiggle room	Wiggle room - Whole school christmas maths exploration
MN	Focus on the composition of odd numbers including being made of 2s and 1 more, or 1 odd part and 1 even part	Focus on the composition of 7 Use the Hungarian number pattern and the rekenrek to find all the ways that 7 can be composed Apply knowledge to expressions and equations	Focus on the composition of 9 Focus on 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed Apply knowledge to expressions and equations	Focus on the composition of the numbers 11 to 19 as '10 and a bit' Apply to missing addend equations	Compare numbers within 20 Use proportional reasoning to identify the position of numbers within 20 in the linear number system, using midpoints of 5, 10 and 15	Wiggle room	Wiggle room	Wiggle room

Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24		
	Fractions			Addition and subtraction of 2 digit numbers (regrouping and adjusting)			
MN	Focus on doubling numbers to 10, using the ‘5 and a bit’ structure to double 6, 7, 8 and 9	Focus on the composition of 20 Use known facts within 10 to find missing parts of 20 when the known part is greater than 10	Apply knowledge of facts within 10 to addition and subtraction within 20 WITHIN the 10s boundary	Use knowledge of doubles to calculate near doubles See that near doubles are adjacent numbers See that the sum in a near double is odd	Develop understanding of near doubles Identify different strategies for near doubles, doubling the smaller addend and adding 1 or the larger addend and subtracting 1		
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24	
	Addition and subtraction of 2 digit numbers (regrouping and adjusting)			Measures: Money		Numbers within 1000	
MN	Add 3 numbers using known facts - identifying bonds of 10 and knowledge of the composition of 11 to 19 as ‘10 and a bit’	Add 2 numbers by ‘bridging through 10’	Consolidate understanding of adding 2 numbers by ‘bridging through 10’ Solve missing addend problems	Subtract by ‘bridging through 10’	Consolidate understanding of subtracting by ‘bridging through 10’	Wiggle room	

Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24	
	Numbers within 1000		Mass, Capacity and Volume	Fractions review	SATs wiggle room	SATs wiggle room	
MN	Connect the order of multiples of 10 to the order of numbers within 10 Use proportional reasoning to identify the	Connect missing addend problems to subtraction problems	Subtract across the 10 boundary, by subtracting FROM 10 rather than bridging THROUGH 10	Practise subtracting within 20, selecting from a range of strategies See that all subtractions can be solved by thinking of how a number is	Focus on the composition of 20 Use known facts within 10 to find missing part of 20 when the known part is less than 10	Wiggle room	

	position of numbers within 100 in the linear number system			composed and identifying the missing part				
Summer 2	<b>3.6.24</b>	<b>10.6.24</b>	<b>17.6.24</b>	<b>24.6.24</b>	<b>1.7.24</b>	<b>8.7.24</b>	<b>15.7.24</b>	<b>22.7.24</b>
	Statistics		Position and direction		Revision wiggle room (can be used at any point in the year - based on TA)	Revision wiggle room (can be used at any point in the year - based on TA)	Wiggle room	Wiggle room
<b>MN</b>	Use knowledge of composition to reason about expressions and equations and use the equals and inequality symbols in expressions and equations	Consolidate doubles and near doubles Introduce strategy of adding two adjacent odd numbers or two adjacent even numbers into a double	Consolidate understanding and develop fluency in transforming addition calculations involving two adjacent odd or two adjacent even numbers into a double	Develop fluency in bonds within 10 and apply this to calculations within and across the 10-boundary using a range of optional activities	Number facts and arithmetic - a range of 6 sessions providing <b>optional</b> activities to provide practice and opportunities for assessment	Wiggle room	Wiggle room	Wiggle room



# Year 3

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on Y2 objectives	Numbersense and Exploring calculating strategies		Place value to 1000			Addition and subtraction	
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	18.12.23
	Addition and subtraction					Wiggle room	Wiggle room	Wiggle room - Whole school christmas maths exploration
Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24			
	Multiplication and Division (A)			Multiplication and Division (B)				
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24		
	Fractions (A)		Length and Perimeter		Mass and capacity			
Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24		
	Fractions (B)				Wiggle room	Money		
Summer 2	3.6.24	10.6.24	17.6.24	24.6.24	1.7.24	8.7.24	15.7.24	22.7.24
	Money	Time	Shape		Statistics	Wiggle room	Wiggle room	Wiggle room

# Year 4

Wiggle room is built in for all year groups to allow teachers to address misconceptions, pre-teacher or re-teach in response to the cohort's needs, and adjust their timetable as required.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on Y3 objectives	Place value to 10,000		Addition and subtraction		3, 6, 9 x tables		
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	18.12.23
	Perimeter		Roman numerals	7, 11, 12 x tables	Understanding and manipulating multiplicative relationships		Wiggle room	Wiggle room - Whole school christmas maths exploration
Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24			
	Understanding and manipulating multiplicative relationships		Introduction to short multiplication	Time	Coordinates			
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24		
	Review of fractions	Fractions greater than 1 and equivalences			Times tables revision (can be placed anywhere in the year)	Times tables revision (can be placed anywhere in the year)		
Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24		
	Fractions and decimals			Division with remainders				
Summer 2	3.6.24	10.6.24	17.6.24	24.6.24	1.7.24	8.7.24	15.7.24	22.7.24
	MTC Week (approx)	MTC Week (approx)	Symmetry in 2D shapes	Problem Solving		Wiggle room	Wiggle room	Wiggle room

# Year 5

Wiggle room is built in for all year groups to allow teachers to address misconceptions, pre-teacher or re-teach in response to the cohort's needs, and adjust their timetable as required.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on Y4 objectives	Reasoning with large whole integers			Integer addition and subtraction		Multiplication and division	
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	18.12.23
	Multiplication and division		Decimal fractions			Money	Wiggle room	Wiggle room - Whole school christmas maths exploration
Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24			
	Fractions (y4 revision)	Fractions						
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24		
	Perimeter and Area		Angles		Times tables revision (can be placed anywhere in the year)	Times tables revision (can be placed anywhere in the year)		
Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24		
	Factors, multiples and primes		Division and multiplication		Converting measures			
Summer 2	3.6.24	10.6.24	17.6.24	24.6.24	1.7.24	8.7.24	15.7.24	22.7.24
	2D and 3D shapes			Negative numbers (from Y5 White Rose)	Statistics (from Y5 White Rose)		Wiggle room	Wiggle room

# Year 6

Wiggle room is built in for all year groups to allow teachers to address misconceptions, pre-teacher or re-teach in response to the cohort's needs, and adjust their timetable as required.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	4.9.23	11.9.23	18.9.23	25.9.23	2.10.23	9.10.23	16.10.23	
	Settling in - number games based on Y5 objectives	Reviewing place value, addition and subtraction strategies		Multiplication and division			Fractions	
Autumn 2	30.10.23	6.11.23	13.11.23	20.11.23	27.11.23	4.12.23	11.12.23	18.12.23
	Fractions			Percentages and statistics			Wiggle room	Wiggle room - Whole school christmas maths exploration
Spring 1	8.1.24	15.1.24	22.1.24	29.1.24	5.2.24			
	Angles	Decimals and measures			Coordinates and shape			
Spring 2	19.2.24	26.2.24	4.3.24	11.3.24	18.3.24	25.3.24		
	Coordinates and shape	Ratio and proportion			Times tables revision (can be placed anywhere in the year)	Times tables revision (can be placed anywhere in the year)		
Summer 1	15.4.24	22.4.24	29.4.24	6.5.24	13.5.24	20.5.24		
	Wiggle room - SATs revision and preparation	Wiggle room - SATs revision and preparation	Wiggle room - SATs revision and preparation	Wiggle room - SATs revision and preparation	SATS week	Wiggle room for residential (date TBC)		
Summer 2	3.6.24	10.6.24	17.6.24	24.6.24	1.7.24	8.7.24	15.7.24	22.7.24
	Scaling, congruence and possibilities	Compensation to calculate	Distributive law	Systematic method	Algebra	Area of triangles and parallelograms	Wiggle room	Wiggle room

