Park Grove Primary Academy

Long-term Maths Plan

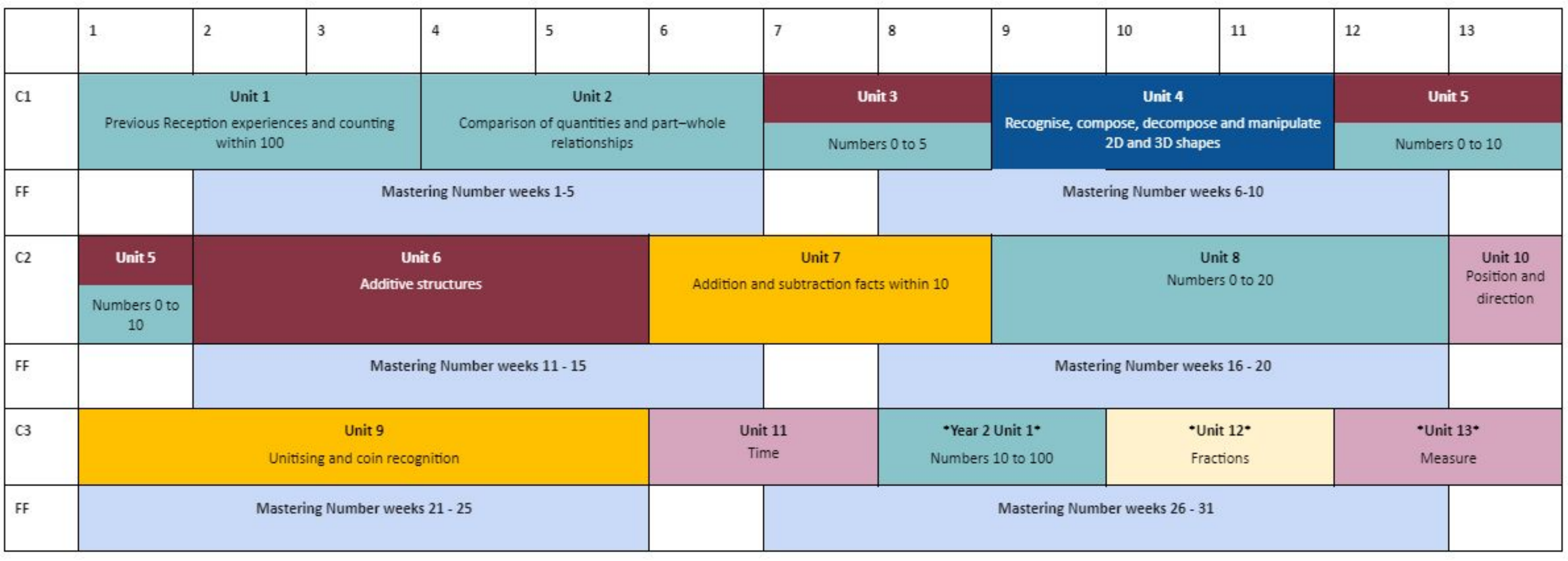
2023-2024

EYFS

Park Grove
PRIMARY ACADEMY

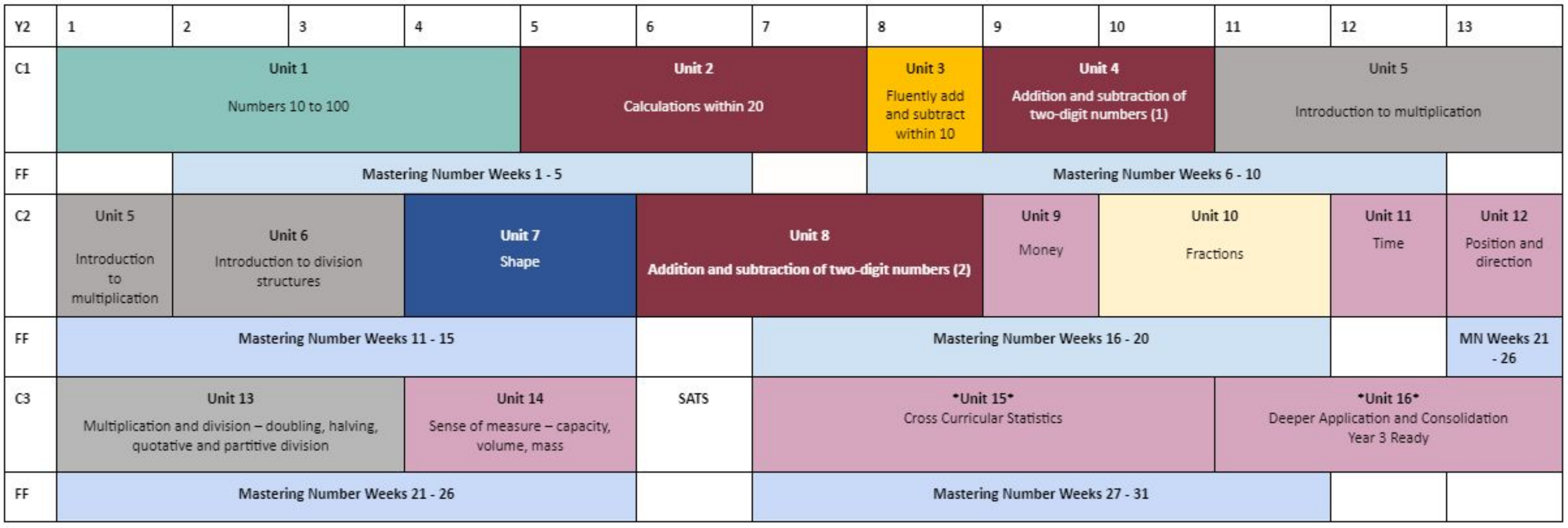
	1	2	3	4	5	6	7	8	9	10	11	12	13
MN				Masting Number Weeks 1-5					Mastering Number Weeks 6-10				
Main Teaching Input (Developmental Objective Links)	**Number** Songs with actions and puppets **Measure** Days of the week My school day **Weekly Planning Ideas**	**Number** Songs with actions and puppets **Measure** Days of the week My school day **Weekly Planning Ideas**	**Number** Number sense Number 1 (Cardinality) **Weekly Planning Ideas**	**Number** Number sense Number 2 (Discuss one more) (Cardinality) **Weekly Planning Ideas**	**Number** Number sense Number 3 (Discuss one more) (Cardinality) **Weekly Planning Ideas**	**Number** Number sense Number 4 (Discuss one more) (Cardinality) (Double) **Weekly Planning Ideas**	**Number** Number sense Number 5 **Weekly Planning Ideas** **Calculation** Finding one more	**Number** Ordering Numbers 1-5 **Weekly Planning Ideas** **Calculation** Finding one less	**Calculation** Every number can be made from one (Composition) **Weekly Planning Ideas**	**Calculation** Number composition (Part, part, whole) **Weekly Planning Ideas**	**Calculation** Number composition (Part, part, whole) **Weekly Planning Ideas** **Calculation** Adding two groups together	**Geometry** Shapes, Shapes, Everywhere! 2D Shape **Weekly Planning Ideas**	**Pattern** Can you see my pattern? Identifying repeating patterns **Weekly Planning Ideas**
Main Teaching Input (Developmental Objective Links)	Cons	**Number** Subitising (10 Black dots)	**Number** Number sense Number 6 **Multiplication and Division** Introduce doubling	**Calculation** Addition from counting on	**Number** Number sense Number 7	**Number** Number sense Number 8 **Multiplication and Division** Introduce halving	**Multiplication and Division** Doubling and halving	**Pattern** Creating repeating patterns	**Number** Number sense Number 9	**Number** Number sense Number 10	**Number** Number sense Number 10 **Number** Odd and Even	**Calculation** Number bonds to ten.	**Geometry** 3D Shape
Main Teaching Input (Developmental Objective Links)	**Geometry** Spatial awareness/ positional language	**Number** Counting patterns 10-20	**Number** Counting patterns beyond 20.	**Calculation** Addition from counting on	**Calculation** Subtraction from counting back	**Measure** Length, height and distance	**Measure** Weight and capacity	**Calculation** Sharing	**On the move** Extended problem solving and reasoning Spatial reasoning		Consolidation		

Year 1



	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Previous Reception experiences and counting within 100			**Unit 2** Comparison of quantities and part–whole relationships			**Unit 3** Numbers 0 to 5		**Unit 4** Recognise, compose, decompose and manipulate 2D and 3D shapes			**Unit 5** Numbers 0 to 10	
FF		Mastering Number weeks 1-5						Mastering Number weeks 6-10					
C2	**Unit 5** Numbers 0 to 10	**Unit 6** Additive structures				Unit 7 Addition and subtraction facts within 10			Unit 8 Numbers 0 to 20				Unit 10 Position and direction
FF		Mastering Number weeks 11 - 15						Mastering Number weeks 16 - 20					
C3	Unit 9 Unitising and coin recognition					Unit 11 Time		*Year 2 Unit 1* Numbers 10 to 100		*Unit 12* Fractions		*Unit 13* Measure	
FF	Mastering Number weeks 21 - 25						Mastering Number weeks 26 - 31						

Year 2



Y2	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Numbers 10 to 100				**Unit 2** Calculations within 20			**Unit 3** Fluently add and subtract within 10	**Unit 4** Addition and subtraction of two-digit numbers (1)		Unit 5 Introduction to multiplication		
FF		Mastering Number Weeks 1 - 5						Mastering Number Weeks 6 - 10					
C2	Unit 5 Introduction to multiplication	Unit 6 Introduction to division structures		**Unit 7** Shape		**Unit 8** Addition and subtraction of two-digit numbers (2)			Unit 9 Money	Unit 10 Fractions		Unit 11 Time	Unit 12 Position and direction
FF	Mastering Number Weeks 11 - 15						Mastering Number Weeks 16 - 20						MN Weeks 21 - 26
C3	Unit 13 Multiplication and division – doubling, halving, quotative and partitive division			Unit 14 Sense of measure – capacity, volume, mass		SATS	*Unit 15* Cross Curricular Statistics				*Unit 16* Deeper Application and Consolidation Year 3 Ready		
FF	Mastering Number Weeks 21 - 26						Mastering Number Weeks 27 - 31						

Year 3

Y3	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Adding and subtracting across 10		**Unit 2** Numbers to 1,000										Consolidation
FF	Adding 1 Commutative: 7 +1 and 1 +7	Doubles of numbers to 5 1+1, 2+2, 3+3, 4+4, 5+5	Adding 2 Commutative: 7 +2 and 2 +7	Number bonds to 10 Commutative: 0+10, 1+9, 2+8, 3+7, 4+6		Adding 10 To single digits	Adding 0	The ones without a family 3 +5, 5+3, 3+6, 6+3	Near Doubles within 10 3+4 4+3, 4+5, 5+4	Doubles of numbers to 10 6+6, 7+7, 8+8, 9+9, 10+10	Near doubles bridging 10 5+6, 6+5, 6+7, 7+6	Near doubles bridging 10 7+8, 8+7, 8+9, 9+8	Bridging 10 3+8, 8+3 3+9, 9+3
C2	**Unit 3** Right angles		**Unit 4** Manipulating the additive relationship and securing mental calculation				**Unit 5** Column addition		**Unit 6** 2, 4, 8 times tables			**Unit 7** Column subtraction	
FF	Bridging 10 4+7, 7+4, 4+8, 8+4, 4+9, 9+4	Bridging 10 5+7, 7+5, 5+8, 8+5, 5+9, 9+5	Bridging 10 6+8, 8+6, 6+9, 9+6	All additive facts mix	2 times table (multiplier first)	2 times table (multiplier first or second)	2 times table (division facts added in)	2 times table (all)	2 times table (all)	5 times table (2x5 to 6x 5)	5 times table (7x5 to 9x 5)	5 times table (all)	5 times table (all) and 2tt
C3	**Unit 8** Unit fractions					**Unit 9** Non-unit fractions				**Unit 10** Parallel and perpendicular sides in polygons		**Unit 11** Time	Consolidation
FF	5 times table (all) and 2tt	4 times table (2 x4 to 6x4)	4 times table (7 x4 to 9x4)	4 times table all facts comm and division facts	2, 4, 5tt facts comm and division facts	2, 4, 5tt facts comm and division facts	2, 4, 5tt facts comm and division facts	8 times table (8x3, 8x6, 8x7, 8x8, 8x9)	8 times table (8x3, 8x6, 8x7, 8x8, 8x9)	8 times table (all)	2, 4, 5, 8tt facts comm and division facts	2, 4, 5, 8tt facts comm and division facts	2, 4, 5, 8tt facts comm and division facts

Year 4

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Y4	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Review of column addition and subtraction			**Unit 2** Numbers to 10,000					**Unit 3** Perimeter and Right Angles		**Unit 4** 3, 6, 9 times tables		
FF	Recap Year 3 All Addition/Subtraction facts within 10. 2,5,4, 10 tts			3 times table 4 new facts (3x3, 6x3, 7x3, 9x3)			All 3 times table Plus all previously learnt facts			6 times table 3 new facts (6x6, 7x6, 9x6)			All 6 times table Plus all previously learnt facts
C2	**Unit 4** 3, 6, 9 times tables	**Unit 5** 7 times table and patterns		**Unit 6** Understanding and manipulating multiplicative relationships					**Unit 7** Coordinates		**Unit 8** Review of fractions	**Unit 9** Fractions greater than 1	
FF	All 6 times table Plus all previously learnt facts		9 times table 2 new facts (9x7, 9x9)			All 9 times table Plus all previously learnt facts	7 times tables 1 new fact (7x7)		All 7 times tables plus previously learnt facts	11 times table	11 times table plus previously learnt facts	12 times table	12 times table plus previously learnt facts
C3	**Unit 9** Fractions greater than 1			**Unit 10** Symmetry in 2D shapes		**Unit 11** Time	**Unit 12** Division with remainders		MTC	***Unit 13*** Transformations		Consolidation	
FF	All times tables up to 12x12		All to 12 x12 practice - online practice and targeted booklet intervention						MTC	All to 9x9 practice for some and All in MTC for some			

Year 5

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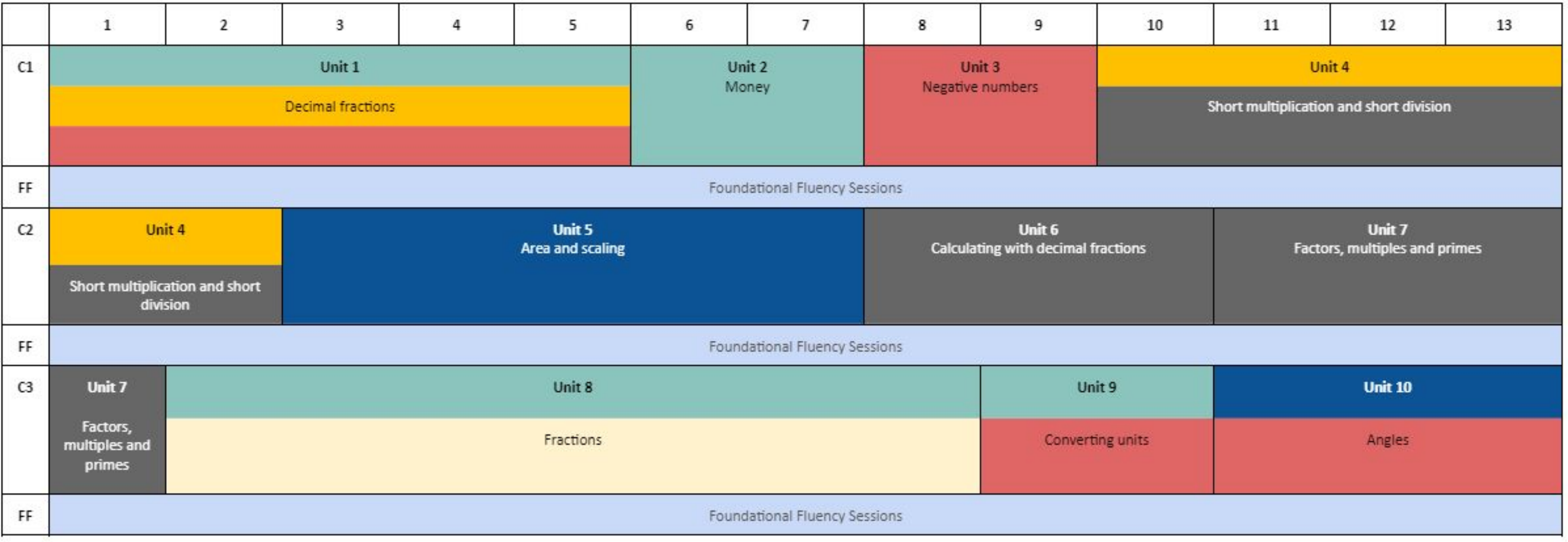

	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Decimal fractions					**Unit 2** Money		**Unit 3** Negative numbers		**Unit 4** Short multiplication and short division			
FF	Foundational Fluency Sessions												
C2	**Unit 4** Short multiplication and short division		**Unit 5** Area and scaling					**Unit 6** Calculating with decimal fractions			**Unit 7** Factors, multiples and primes		
FF	Foundational Fluency Sessions												
C3	**Unit 7** Factors, multiples and primes	**Unit 8** Fractions							**Unit 9** Converting units		**Unit 10** Angles		
FF	Foundational Fluency Sessions												

Year 6

	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	**Unit 1** Calculating using knowledge of structures (1)				**Unit 10** Calculating using knowledge of structures (2)	**Unit 2** Multiples of 1,000	**Unit 3** Numbers up to 10,000,000		**Unit 5** Multiplication and division				Consolidation and formative assessment
			Unit 12 - Order of operations					**Unit 11** - Solving problems with two unknowns					
FF	Foundational Fluency Sessions												
C2	**Unit 6** Area, perimeter, position and direction (including missing coordinates)		Unit 7 Fractions and percentages						**Year 5 Unit 10** Angles	**Unit 4** Draw, compose and decompose shapes (including circles)		**Unit 8** Statistics	
	Recap: **Year 5 Unit 3** - Negative Numbers									**Unit 13** - Mean average			
FF	Foundational Fluency Sessions												
C3	**Unit 9** Ratio and proportion		Revision and Consolidation		SATS	**Unit 11** Solving problems with two unknowns	**Unit 12** Order of operations	**Unit 13** Mean average	*Unit 14* Further Application in real life contexts Bespoke inputs Further Investigations Becoming Year 7 Ready				
FF	Foundational Fluency Sessions												