

Amotherby Community Primary School

Mathematics Long Term Plan

The following Long-Term Plan had been devised following the White Rose Scheme of Work. Teachers use this as a guide for the length of time to be spent on each unit. There is flexibility incorporated into this plan so that teachers can adjust the number of weeks to be spent on a unit, if required, based upon the needs of the children. Teachers further carefully sequence the small steps in learning as part of their Medium-Term Plan, which includes detailed specific number of weeks to be spend on a unit of work

Reception

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Autumn	Settling in	Settling in	Mastering Number-Subitising within 3	Mastering Number-Focus on counting skills	Mastering Number-explore how all numbers are made of 1's Composition of 3 and 4	Mastering Number-Subitise objects and sounds	Mastering Number-Comparison of sets 'just by looking' Use the language of comparison: more than and fewer than	White Rose- Compare size, mass, capacity Make simple patterns	Mastering Number-Focus on counting skills Focus on the 'five-ness of 5' using one hand and the die pattern for 5.	Mastering Number-Comparison of sets-by matching Use the language of comparison: more than, fewer than, an equal number	Mastering Number-Explore the concept of a whole and a part	Mastering Number-Focus on the composition of 3,4 and 5	Mastering Number- Practise object counting skills. Match numerals to quantities within 10. Verbal counting beyond 20.	White Rose- Circles and triangles Shapes with 4 sides	White Rose- Weight, length, capacity
Spring	Mastering Number-Subitise within 5 focusing on die patterns Match numerals to quantities within 5	Mastering Number- Counting – focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number	Mastering Number - Focus on 5	Mastering Number-Focus on 6 and 7 as '5 and a bit'	Mastering Number- Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal	Mastering Number-Focus on the 'staircase' pattern and ordering numbers	Mastering Number- Focus on ordering of numbers to 8 Use language of less than	Mastering Number- Focus on 7	Mastering Number- Doubles – explore how some numbers can be made with 2 equal parts	Mastering Number- Sorting numbers according to attributes - odd and even numbers					
Summer	Mastering Number-	Mastering Number-Subitising – to 6,	Mastering Number-	Mastering Number-Composition of 10	Mastering Number-Comparison – linked	White Rose- Pattern	White Rose- 3D shapes	Mastering Number-	Mastering Number-	Mastering Number-					

	Counting – larger sets and things that cannot be seen	including in structured arrangemen ts	Composition – ‘5 and a bit’		to ordinality Play track games			Subitise to 5 Introduce the rekenrek	Automatic recall of bonds to 5	Mastering Number- Compositi on of numbers to 10							
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Year 1

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Autumn	Number: Place Value (within 10) NCETM Y1 units 1, 2 & 3				Number: Addition and subtraction (within 10) NCETM Y1 units 6 & 7					Geometry: Shape NCETM Y1 unit 4		Number: Place Value (within 20) NCETM Y1 unit 8			
Number facts	NCETM Mastering Number														
Spring	Number: Addition and subtraction (within 20) NCETM Y1 units 6				Number: Place Value (within 50) NCETM Y2 unit 1			Measurement: length and height		Measurement: mass and volume					
Number facts	NCETM Mastering Number														
Summer	Measurement: mass and volume	Number: Multiplication and division NCETM Y1 unit 2, Y2 units 5				Number: Fractions NCETM Y2 unit 10		Geometry: Position and direction NCETM Y2 unit 10	Number: Place Value (within 100) NCETM Y2 unit 1			Measurement: money NCETM Y1 unit 9		Measurement: time NCETM Y1 unit 11	
Number Facts	NCETM Mastering Number														

Year 2

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Autumn	Number: Place Value NCETM Y2 unit 1				Number: Addition and subtraction NCETM Y2 units 2, 3, 4 & 6				Geometry: Shape NCETM Y2 unit 7			Number: Money NCETM Y2 unit 9			
Number facts	NCETM Mastering Number														
Spring	Number: Multiplication and Division NCETM Y2 unit 5, 6 & 13				Measurement: Length Height		Measurement: Mass, Capacity and Temperature NCETM Y2 unit 14								
Number facts	NCETM Mastering Number														
Summer	Number: Fractions NCETM Y2 unit 10				Measurement: Time NCETM Y2 unit 11			Statistics		Geometry: Position and direction NCETM Y2 unit 12		Consolidation			
TT	NCETM Mastering Number														

Year 3

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Autumn	Number: Place Value NCETM Y3 unit 2				Number: Addition and subtraction NCETM Y3 units 1, 4,5 & 7						Number: Multiplication and Division A NCETM Y3 unit 6, Y4 unit 4				
TT	Addition and subtraction facts (consolidation within 10) Adding 1, Adding 2	Addition and subtraction facts (consolidation within 10) Adding 1, Adding 2, Adding 0	Addition and subtraction facts (consolidation within 10) Adding 1, Adding 2, Adding 0, Bonds to 10	Addition and subtraction facts (consolidation within 10) Adding 1, Adding 2, Adding 0, Bonds to 10	Double 1 to 5, and 10	Add in double 6	Add in double 7	Add in double 8	Add in double 9	Near doubles (+/-1)	Near doubles (+/-1)	Near doubles (+/-1), and previously known facts	Ones without a family (3 + 5, 3 + 6, 3 + 8, 3 + 9, 4 + 7, 4 + 8, 4 + 9)	Ones without a family (5 + 7, 5 + 8, 5 + 9, 6 + 8, 6 + 9, 7 + 9)	Ones without a family - all
Spring	Number: Multiplication and Division B NCETM Y5 unit 2			Measurement: Length and Perimeter NCETM Y4 unit 3			Number: Fractions A NCETM Y3 unit 8 &9			Measurement: Mass and Capacity					
TT	Ones without a family - all	2 times tables Intro Lesson 1 Doubles recap	2 times table (multiplier first)	2 times tables Intro Lesson 2: Commutative 2 times table (multiplier first or second)	2 times tables Intro Lesson 3: Division 2 times table (division facts added in)	2 times table	2 times table	2 times table	5 times tables Standard Intro Lesson 5 times table (2 x 5 to 6 x 5)	5 times table (7 x 5 to 9 x 5)					
Summer	Measurement: Mass and Capacity		Number: Fractions B NCETM Y3 unit 8 &9			Measurement: Money NCETM Y2 unit 9	Measurement: Time NCETM Y3 unit 11			Geometry: Shape NCETM Y3 unit 3 & 10					
TT	5 times table (all)	5 times table (all)	5 times table and 2 times table	5 times table and 2 times table	5 times table and 2 times table	4 times tables Standard Intro Lesson	4 times table (7 x 4 to 9 x 4)	4 times table (all facts)	2, 4, 5 times tables facts	2, 4, 5 times tables facts	2, 4, 5 times tables facts	2, 4, 5 times tables facts	Consolidation/roll over as applicable within units	Consolidation/roll over as applicable within units	

Year 4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Autumn	Number: Place Value NCETM Y4 unit 2				Number: Addition and subtraction NCETM Y4 unit 1				Measurement: Area NCETM Y5 unit 5		Number: Multiplication and Division A NCETM Y4 unit 4 & 5			Number: Multiplication and Division B NCETM Y5 unit 4		
TT	Recap Year 3		8 times tables Standard Intro Lesson 8 times table (5 new facts)		8 times table plus previously learnt		3 times tables Standard Intro Lesson 3 times table (4 new facts) (30 facts, 6 to go)			3 times table plus previous		6 times tables Standard Intro Lesson 6 times table (3 new facts) (33 learnt, 3 to go)		6 times table (3 new facts) (33 learnt, 3 to go)		
Spring	Number: Multiplication and Division B NCETM Y5 unit 4		Measurement: Length and Perimeter NCETM Y4 unit 3		Number: Fractions NCETM Y3 unit 8 & 9, Y4 unit 8			Number: Decimals A NCETM Y5 unit 1								
TT	6 times table plus previous		9 times tables Standard Intro Lesson 9 times table (2 new facts) (35 facts learnt, 1 to go)		9 times table plus previous		7 times tables Standard Intro Lesson 7 times table (all facts now learnt)			All facts to 9 x 9						
Summer	Number: Decimals A NCETM Y5 unit 1		Number: Decimals B NCETM Y5 unit 1		Measurement: Money NCETM Y5 unit 2		Measurement: Time NCETM Y4 unit 11		Geometry: Shape NCETM Y4 unit 10, Y5 unit 10							Statistics
TT	All facts to 9 x 9		11 and 12 times tables Standard Intro Lesson All in MTC (9 x 9 practice for some)													

Year 5

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Autumn	Number: Place Value NCETM Y6 units 2&3				Number: Addition and Subtraction NCETM Y4 unit 1			Number: Multiplication and Division A NCETM Y5 unit 7			Number: Fractions A NCETM Y4 unit 9, Y5 unit 8				Number: Multiplication and Division B NCETM Y5 unit 4,
TT	Doubling and halving	Doubling and halving	Number bonds	Number bonds	4 times table review	8 times table review	8 times table review	3 times table review	3 times table review	6 times table review	6 times table review	9 times table review	9 times table review	7 times table review	7 times table review
Spring	Number: Multiplication and Division B NCETM Y5 unit 4				Number: Fractions B NCETM Y5 unit 8		Number: Decimals and Percentages NCETM Y5 unit 1			Measurement: Perimeter and Area NCETM Y5 unit 5 NCETM Y6 unit 7					
TT	Number bonds	Teach 11 times table	All 11 times table	Teach 12 times table	All 12 times table	All 12 times table	Bespoke times tables/ additive/ arithmetic								
Summer	Statistics NCETM Y6 unit 8		Geometry: Shape NCETM Y5 unit 10			Geometry: Position and Direction NCETM Y4 unit 2		Number: Decimals NCETM Y5 unit 6		Number: Negative Numbers NCETM Y5 unit 3	Measurement: converting units NCETM Y5 unit 6				
TT	Bespoke times tables/ additive/ arithmetic														

Year 6

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
Autumn	Number: Place Value NCETM Y6 units 2&3		Number: Addition, Subtraction, Multiplication and Division NCETM Y6 units 1, 5, 10 & 12. NCETM Y5 units 7.				Number: Fractions A NCETM Y6 unit 7		Number: Fractions B NCETM Y6 unit 7		Measurement: Convert units NCETM Y5 unit 9	Number: Ratio NCETM Y6 unit 9		SATS Practise papers				
TT	Number bonds		8 times tables review		6 times tables review		9 times tables review		7 times tables review		Teach 11 times table All 11 times table		Teach 12 times table All 12 times table		All times tables so far			
Spring	Number: Algebra NCETM Y6 unit 11		Number: Decimals NCETM Y5 unit 6	Number: Fractions, Decimals and Percentages NCETM Y6 unit 7			Measurement: Area, Perimeter and Volume NCETM Y6 unit 6	Statistics NCETM Y6 unit 13	SATS Practise papers									
TT	Number bonds		4 sessions- calculation practise 1 session- times tables															
Summer	Geometry: Shape NCETM Y6 unit 4		Geometry: Position and direction NCETM Y6 unit 6	Consolidation		Y6 SATS	Extended project											
TT	4 sessions- calculation practise 1 session- times tables																	