Primary Mathematics Planning Framework Manor Park First Year 3

Focus	Weeks	Remember: Learning Objectives are end of year targets use the target cards to guide you….. use white rose break objective into smaller progressive steps.
Number, Place Value Focus White Rose Small steps for guidance: start at the point the children are……	1-2	● count from 0 in multiples of 100; find 10 or 100 more or less than a given number ● recognise the place value of each digit in a three-digit number (hundreds, tens, ones) ● compare and order numbers up to 1000 ● identify, represent and estimate numbers using different representations ● read and write numbers up to 1000 in numerals and in words ● solve number problems and practical problems involving these ideas
Addition and Subtraction White Rose Small steps for guidance: start from where the children are…… this will need to be differentiated……	3-4	● add and subtract numbers mentally, including: – a three-digit number and ones – a three-digit number and tens – a three-digit number and hundreds ● add and subtract numbers with up to three digits ● estimate the answer to a calculation and use inverse operations to check answers ● solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Multiplication and Division White Rose Small steps for guidance: start from where the children are…… this will need to be differentiated……	5-6	● recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables ● write and calculate mathematical statements for multiplication and division using the multiplication tables that they know ● solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.
Measurement (Money)	7	● add and subtract amounts of money to give change, using both £ and p in practical contexts

White Rose as guidance but it also recaps addition and subtraction.		

AUTUMN 2		
Number, Place Value focus White Rose Small steps for guidance: continue from where they are......	8-9	• count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number • recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 • identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words • solve number problems and practical problems involving these ideas
Multiplication and Division White Rose Small steps for guidance: continue from where they are......	10	• recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know • solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.
Fractions White Rose Small steps for guidance.....	11-12	• recognise and show, using diagrams, equivalent fractions with small denominators • count up and down in tenths, recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.
Statistics White Rose: small steps	14	• interpret and present data using bar charts, pictograms and tables • solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

SPRING 1

Addition and Subtraction White Rose Small steps for guidance: continue from where they are……	15-16	● add and subtract numbers mentally, including: – a three-digit number and ones – a three-digit number and tens – a three-digit number and hundreds ● add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction ● estimate the answer to a calculation and use inverse operations to check answers ● solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Geometry White rose: Geometry small steps.	17	draw 2-D shapes, identify horizontal and vertical lines and pairs of perpendicular and parallel lines. measure the perimeter of simple 2-D shapes. make 3-D shapes using modeling materials; recognize 3-D shapes in different orientations and describe them
Measurement (Time) White Rose: small steps	18-19	● tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks ● estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m. / p.m., morning, afternoon, noon and midnight ● know the number of seconds in a minute and the number of days in each month, year and leap year ● compare durations of events, [for example, to calculate the time taken by particular events or tasks]

SPRING 2

Number, Place Value Focus = White small steps: continue from where you where /recap	20	● count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number ● recognise the place value of each digit in a three-digit number (hundreds, tens, ones) ● read and write numbers up to 1000 in numerals and in words

address further needs.		● solve number problems and practical problems involving these ideas
Multiplication and Division White Rose Small steps for guidance: continue from where they are……	21-22	● recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables ● write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers ● WRITTEN METHOD : GRID METHOD ● solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects
Measurement (Length) White rose small steps and also recapping adding and subtraction.	23-24	measure, compare, add and subtract: lengths (m / cm /mm
Fractions White Rose Small steps for guidance…..	25-26	● count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 ● recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators ● add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] ● compare and order unit fractions and fractions with the same denominator ● solve problems that involve all of the above.

SUMMER 1

Number, Place Value White small steps: continue from where you where /recap	27	● identify, represent and estimate numbers using different representations ● recognise the place value of each digit in a three-digit number (hundreds, tens, ones) ● compare and order numbers up to 1000

address further needs		
Addition and Subtraction White Rose Small steps for guidance: continue from where they are……	28-29	● add and subtract numbers mentally, including: – a three-digit number and ones – a three-digit number and tens – a three-digit number and hundreds ● add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction ● estimate the answer to a calculation and use inverse operations to check answers ● solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Measurement (Capacity) Weight *White Rose Small steps for guidance: continue from where they are……*	30-31	● measure, compare, add and subtract: volume / capacity (l / ml) ● interpret unmarked divisions on a scale ● measure, compare, add and subtract: mass (X 10 X100 BEFORE INTRODUCING CONVERSION)

SUMMER 2

Geometry Shape White Rose small steps partly	32	● recognise that angles are a property of shape or a description of a turn ● identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle ● identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Multiplication and division White small steps: continue	33-34	● recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables ● write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times

Primary Mathematics Planning Framework Manor Park First Year 3

from where you where /recap address further needs		one-digit numbers, using mental and progressing to formal written methods (GRID METHOD) ● solve problems, including missing number problems, involving multiplication and division; solve positive integer scaling problems and correspondence problems in which n objects are connected to m objects.
Fractions White small steps: continue from where you where /recap address further needs	35-36	● count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 ● recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators ● solve problems that involve all of the above. ● recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators ● add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] ● compare and order unit fractions and fractions with the same denominator.