Manor Primary School	Year 4	

Context of Lessons:
- Weekly assessment on number bonds and times tables.
- Three lessons adapted from White Rose to cover key skills, concepts
- One lesson application, reasoning and problem solving skills
- One lesson mental arithmetic

Autumn Term			
White Rose Maths	**Place Value**	**Addition and Subtraction**	**Multiplication and Division**
	- Recap Numbers to 1,000 - Recap 100s, 10s and 1s - Recap Number line to 1,000 - Round to the nearest 10 - Round to the nearest 100 - Count in 1,000s - Activity Represent numbers to 10,000 - 1,000s, 100s, 10s and 1s - Partitioning - The number line to 10,000 - Recap Find 1, 10, 100 more or less 1,000 more or less - Compare 4-digit numbers - Order numbers - Round to the nearest 1,000 - Count in 25s - Activity Introducing negative numbers - Negative numbers - Roman numerals	- Add and subtract 1s, 10s, 100s and 1,000s - Recap Add two 3-digit numbers - not crossing 10 or 100 - Add two 4-digit numbers - no exchange - Recap Add two 3-digit numbers - crossing 10 or 100 - Add two 4-digit numbers - one exchange - Add two 4-digit numbers - more than one exchange - Recap Subtract a 3-digit number from a 3-digit number - no exchange - Subtract two 4-digit numbers - no exchange - Recap Subtract a 3-digit number from a 3-digit number - exchange - Subtract two 4-digit numbers - one exchange - Subtract two 4-digit numbers - more than one exchange - Efficient subtraction - Estimate answers - Checking strategies	- Multiply by 10 - Multiply by 100 - Divide by 10 - Divide by 100 - Multiply by 1 and 0 - Divide by 1 and itself - Recap Multiply and divide by 3 - Recap The 3 times-table - Multiply and divide by 6 - 6 times-table and division facts - Multiply and divide by 9 - 9 times-table and division facts - Multiply and divide by 7 - 7 times-table and division facts - 11 and 12 times-table - Multiply 3 numbers - Factor pairs - Efficient multiplication - Written methods - Recap Multiply 2-digits by 1-digit - Multiply 2-digits by 1-digit - Multiply 3-digits by 1-digit - Divide 2-digits by 1-digit - Divide 3-digits by 1-digit - Correspondence problems

National Curriculum Links	- I can recognise the place value of each digit in a four digit number. - I have an understanding of negative numbers. - I can round decimals with one decimal place to the nearest whole number.	- I can add numbers with up to 4 digits using efficient methods. - I can subtract numbers with up to 4 digits using efficient methods. - I can add and subtract decimals within 1.	- I can use place value to multiply mentally. - I can recall multiplication and division facts up to and for x12 table. - I can multiply two digit numbers by one digit numbers. - I can multiply three digit numbers by one digit numbers. - I can use place value to divide mentally. - I can use written methods to divide a 3 digit by a 1 digit number. - I can solve two step multiplication and division problems. - I can use place value to multiply mentally. - I can recall multiplication and division facts up to and for x12 table. - I can multiply two digit numbers by one digit numbers. - I can multiply three digit numbers by one digit numbers. - I can use place value to divide mentally. - I can use written methods to divide a 3 digit by a 1 digit number. - I can solve two step multiplication and division problems.

Year 4

Spring Term

White Rose Maths	Length and Perimeter	Area	Decimals Recap	Decimals
	- Recap Equivalent lengths - m and cm - Recap Equivalent lengths - mm and cm - Kilometres - Recap Add lengths - Recap Subtract lengths - Recap Measure perimeter - Perimeter on a grid - Perimeter of a rectangle - Perimeter of rectilinear shapes	- What is area? - Counting squares - Making shapes - Comparing area	- Activity Tenths and hundredths - Recognise tenths and hundredths - Tenths as decimals - Tenths on a place value grid - Tenths on a number line - Divide 1-digit by 10 - Divide 2-digits by 10 - Hundredths - Hundredths as decimals - Hundredths on a place value grid - Divide 1 or 2-digits by 100	- Recap Bonds to 10 and 100 - Recap Bonds to 10 and 100 - Make a whole - Activity Write decimals - Write decimals - Compare decimals - Order decimals - Activity Round decimals - Round decimals - Halves and quarters
National Curriculum Links	- I can solve simple measure and money problems involving fractions and decimals - I can measure and calculate the perimeter of a rectilinear figure in cm and m. - I can find the area of rectilinear shapes by counting squares.	- I can measure and calculate the perimeter of a rectilinear figure in cm and m. - I can find the area of rectilinear shapes by counting squares.	- I can recognise and write decimal equivalents of any number of tenths or hundredths. - I can use place value to divide mentally. - I can use written methods to divide a 3 digit by a 1 digit number.	- Activity Tenths and hundredths - Recognise tenths and hundredths - Tenths as decimals - Tenths on a place value grid - Tenths on a number line - Divide 1-digit by 10 - Divide 2-digits by 10 - Hundredths - Hundredths as decimals - Hundredths on a place value grid - Divide 1 or 2-digits by 100 - I can recognise and write decimal equivalents of any number of tenths or hundredths. - I can use place value to divide mentally. - I can use written methods to divide a 3 digit by a 1 digit number.

Year 4						
Summer Term						
White Rose Maths	**Fractions**	**Money**	**Time**	**Statistics**	**Properties of Shape**	**Position and Direction**
	- What is a fraction? - Recap Tenths - Recap Count in tenths - Recap Equivalent fractions - Equivalent fractions - Fractions greater than 1 - Count in fractions - Recap Add fractions - Add 2 or more fractions - Recap Subtract fractions - Subtract 2 fractions - Subtract from whole amounts - Recap Fractions of a set of objects - Calculate fractions of a quantity Answer - Problem solving - calculate quantities	- Pounds and pence - Ordering money - Estimating money - Recap Convert pounds and pence - Recap Add money - Recap Subtract money - Recap Give change - Activity Working with money - Four operations	- Recap Telling the time to 5 minutes - Recap Telling the time to the minute - Recap Using a.m. and p.m. - Recap 24-hour clock - Hours, minutes and seconds - Years, months, weeks and days - Activity Analogue to digital - 12 hour - Analogue to digital - 24 hour	- Interpret charts - Comparison, sum and difference - Introducing line graphs - Line graphs	- Recap Turns and angles - Recap Right angles in shapes - Recap Compare angles - Identify angles - Compare and order angles - Recap Recognise and describe 2-D shapes - Activity Triangles - Triangles - Activity Quadrilaterals - Quadrilaterals - Activity Symmetry - Recap Horizontal and Vertical - Lines of symmetry - Complete a symmetric figure	- Describe position - Draw on a grid - Move on a grid - Describe movement on a grid

National Curriculum Links	- I can add and subtract fractions with the same denominator - I can recognise and write decimal and percent equivalents to ¼, ½ and ¾. - I can recognise common equivalent fractions. - I can recognise and write decimal equivalents of any number of tenths or hundredths.	- I can solve simple measure and money problems involving fractions and decimals - I can add numbers with up to 4 digits using efficient methods. - I can subtract numbers with up to 4 digits using efficient methods. - I can add and subtract decimals within 1. - I can use place value to multiply mentally. - I can recall multiplication and division facts up to and for x12 table. - I can multiply two digit numbers by one digit numbers. - I can multiply three digit numbers by one digit numbers. - I can use place value to divide mentally. - I can use written methods to divide a 3 digit by a 1 digit number. - I can solve two step multiplication and division problems	- I can read, write and convert time between analogue and digital 12 and 24 hour clocks. - I can convert between different units of measure.	- I can solve problems using information presented in bar charts, pictograms, tables and other graphs.	- I can identify acute and obtuse angles and compare and order angles up to two right angles by size. - I can measure and calculate the perimeter of a rectilinear figure in cm and m. - I can find the area of rectilinear shapes by counting squares.	- I can find the area of rectilinear shapes by counting squares. - I can identify acute and obtuse angles and compare and order angles up to two right angles by size.