In Minet Junior School we use the content overviews from White Rose Maths Hub to base our long term plans. To suit our community and reflect our children, we have edited the White Rose Hub schemes to include progression targets from NCTEM and in addition we use resources and text books from Power Maths.

Objectives in red show targets that are taken from the NCTEM progression maps. Words underlined are mathematical key vocabulary that may be new to children or that they need to learn the meaning of.

AUTUMN		
Number : Place Value	Week 1 Week 2 Week 3 Week 4	• Identify, represent and estimate numbers using different representations (including number lines). 3NPV-3 • Find 1, 10 or 100 more or less than a given number; count on from zero in multiples of 4, 8, 50 and 100 • Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). (Know that 10 tens are equivalent to 1 hundred and apply this to place value. 3NPV-1) • Compare, partition and order numbers up to 1000 • Read and write numbers up to 1000 in numerals and in words. 3NPV-2
Calculation: addition and subtraction	Week 5 Week 6 Week 7 Week 8	• Calculate complements to 100. 3AS-1 • Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds. 3AS-2 • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. 3AS-2 • Understand and use the commutative property of addition and understand the related property for subtraction. 3AS-3 • 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.
Calculation: multiplication and division	Week 9 Week 10 Week 11	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • Write and calculate mathematical statements for multiplication and division,

	Week 12	including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. 3MD-1
		• Solve problems, including missing number problems, involving multiplication and division.
		• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

SPRING		
Multiplication and division	Week 1 Week 2 Week 3	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • Write and calculate mathematical statements for multiplication and division, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. 3MD-1 • 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 and perimeter	Week 4 Week 5 Week 6	• Measure, compare, add and subtract: lengths (m/cm/mm); • Measure the perimeter of simple 2D shapes
Fractions	Week 7 Week 8 Week 9	• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. 3F-2 • Compare and order unit fractions, and fractions with the same denominators • Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (including equivalent fractions) 3F-1 • Recognise and show, using diagrams, equivalent fractions with small denominators

Measurement: mass and capacity	Week 10 Week 11	• Measure, compare, add and subtract: mass (kg/g) and capacity (ml/l).

SUMMER		
Fractions	Week 1 Week 2	• Add and subtract fractions with the same denominator within one whole. 3F-4 • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. 3F-2 • Solve problems that involve all of the above.
Money	Week 3 Week 4	• Add and subtract amounts of money to give change, using both £ and p in practical contexts.
Time	Week 5 Week 6 Week 7	• Tell and write the time from an analogue clock, including using Roman numerals 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).
Geometry: properties of shape	Week 8 Week 9	• Recognise angles as 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. 3G-1 • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

		• Draw 2-D shapes and make 3-D shapes using modelling materials. 3G-2 • Recognise 3-D shapes in different <u>orientations</u> and describe them.
Statistics	Week 10 Week 11	• <u>Interpret</u> and <u>present</u> data using <u>bar charts, pictograms and tables.</u> • Solve one-step and two-step questions- using information presented in <u>scaled</u> bar charts and pictograms and tables.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number **Place value**			Number **Addition and subtraction**						Number **Multiplication and division A**		
Spring	Number **Multiplication and division B**			Measurement **Length and perimeter**			Number **Fractions A**			Measurement **Mass and capacity**		
Summer	Number **Fractions B**		Measurement **Money**		Measurement **Time**			Geometry **Shape**		Statistics		Consolidation

*BASED ON CONTENT OVERVIEW