		Maths Overview					
		Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Nursery **White Rose Maths**		Comparison More than, fewer than, same. Shape, space and measure Explore and build with shapes and objects. Pattern Explore repeats. Counting Hear and say number names. Subitising I see 1, 2, 3	Comparison Compare and sort collections Shape, space and measure Explore position and space Pattern Join in with repeats Counting Begin to order number names. Subitising Show me 1, 2, 3	Comparison Match, sort and compare Shape, space and measure Explore position and routes Pattern Explore own first patterns Counting Move and label 1, 2, 3 Subitising Talk about dots	Shape, space and measure Match, talk, push and pull Pattern Lead on own repeats Counting Take and give 1, 2, 3 Subitising Make games and actions	Shape, space and measure Start to puzzle Pattern Making patterns together Counting Show me 5	Pattern My own pattern Counting Stop at 1, 2, 3, 4, 5
Reception **Number- NCETM: Mastering Number**		Subitising within three. Focus on counting skills. Explore how all numbers are made of 1's. Focus on composition of 3 and 4 Subitise objects and sounds. Comparison of sets- 'just by looking'. Use the language of comparison: *more than and fewer than.*	Focus on counting skills. Focus on the 'five-ness of 5' using one hand and the die pattern for 5. Comparison of sets- by matching. Use the language of comparison: *more than, fewer than, an equal number.* Explore the concept of 'whole' and 'part'. Focus on the composition of 3, 4 and 5. Practise object counting and skills. Match numerals to quantities within 10. Verbal counting beyond 20.	Subitise within 5 focusing on die patterns. Match numerals to quantities within 5. Counting- focus on ordinality and the 'staircase' pattern. See that each number is one more than the previous number. Focus on 5. Focus on 6 and 7 as '5 and a bit'. Compare sets and use language of comparison: *more than, fewer than, an equal number to* Make unequal sets equal.	Focus on the 'staircase' pattern and ordering numbers. Focus on ordering of numbers to 8. Use language of *less than.* Focus on 7. Doubles- explore how some numbers can be made with 2 equal parts. Sorting number according to attributes- odd and even.	Counting- larger sets and things that cannot be seen. Subitising- to 6, including in structured arrangements. Composition- '5 and a bit' Composition- of 10. Comparison- linked to ordinality. Play track games.	Subitise to 5. Introduce the rekenrek. Review and Assess: Automatic recall of bonds to 5. Composition of numbers to 10. Comparison. Number patterns Counting

Reception White rose Maths	**Match, Sort and Compare** Match objects and pictures Identify and sort sets, exploring sorting techniques Create sorting rules Compare amounts **Measure and Pattern** Compare mass, size and capacity. Explore, copy, continue and create simple patterns **Circles and Triangles** Identify, name and compare circles and triangles Explore shapes in the environment Describe positions **Shapes with 4 Sides** Identify and name shapes with four sides Combine shapes with 4 sides Explore shapes in the environment Order and sequence familiar events		**Mass and Capacity** Compare mass Find a balance Explore capacity Compare capacity **Length, Height and Time** Explore and compare length and height Talk about time Order and sequence time **Explore 3-D Shapes** Recognise and name 3-D shapes Find 2-D shapes within 3-D shapes 3-D shapes in the environment Identify more complex patterns Copy and continue patterns Patterns in the environment		**Manipulate, compose and decompose** Select shapes for a purpose Rotate and manipulate shapes, explaining their arrangements Compose and decompose shapes Copy 2-D shape pictures Find 2-D shapes within 3-D shapes **Visualise, Build and Map** Identify units of repeating patterns Create and explore own pattern rules Replicate and build scenes and constructions Visualise from different positions Describe positions Give instructions to build Explore mapping **Make Connections** Patterns and relationships	

Year 1 White Rose Maths	**Place Value (within 10)** • Sort and count objects • Recognise numbers as words • Count on from any number • Identify one more and one less of a given • Count backwards within 10 • Compare groups by matching • Use the language of 'fewer, more, same, less than, greater than, equal to' • Compare numbers • Order objects and numbers • Use a number line **Number – Addition and Subtraction (within 10)** • Develop knowledge of part – whole models	**Number – Addition and Subtraction (within 10)** • Number bond facts within 10 • Number bond facts to 10 • Addition (add together, add more, addition problems) • Subtraction (find a part, take away, how many left?) • Subtract on a number line **Geometry – Shape** • Recognise and name common 2D and 3D shapes. • Make patterns with 2D and 3D shapes	**Place Value – (within 20)** • Read, write and understand number 10- 20. • Identify one more and one less than a given number. • Complete a number sequence (forwards and backwards) 0-20 • Estimate on a number line to 20 • Order numbers to 20 • Compare numbers to 20 **Addition and Subtraction – (within 20)** • Add within 20 • Number bond facts 20. • Double numbers • Near doubles • Subtract within 20 • Solve simple one-step problems involving addition and subtraction. • Solve missing number problems	**Place Value – (within 50)** • Count from 20 to 50 • Count in steps of 10 (20 to 50) • Recognise the place value of numbers beyond 20 (tens and ones) • Order numbers to 50 • 1 more than 1 less than **Measurement – Length and Height** • Compare lengths and heights • Measure length using objects • Measure length in cm **Measurement – Mass and Volume** • Use the language 'heavier, lighter, full and empty' • Compare and measure mass, volume and capacity using non-	**Number – Multiplication and Division** • Count in steps of 2, 5 and 10 • Make equal groups • Add equal groups • Make arrays • Make doubles • Make equal groups (grouping) • Make equal groups (sharing) **Number - Fractions** • Recognise, find and name a half as one of two equal parts of a quantity • Recognise, find and name a quarter as one of four equal parts of a quantity. **Geometry – Position and direction** • Describe position, direction and movements	**Number - Place Value (within 100)** • Count to 100 by making tens • Count forwards and backwards within 100 • Partition numbers within 100 (tens and ones) • Compare and order numbers within 100 • 1 more than 1 less than **Measurement – Money** • Recognise and know the value of different coins and notes. • Solve practical problems relating to money. **Measurement – Time** • Use the language 'before and 'after' • Sequence events in chronological order • Recognise and use language relating to

				standard units of measure	using half, quarter and three-quarter turns.	dates, including days of the week, weeks, months and years.
	- Read, write and interpret mathematical statements (+, - and =)					- Tell the time to the hour - Tell the time to half hour - Solve practical problems relating to time.

Year 2 **White Rose Maths**	**Number - Place Value** - Counting forwards and backwards to 20, 50 - Count numbers to 100 by making 10s - Recognise the place value of each digit in a 2-digit number (Tens/Ones) - Use a place value chart - Partition numbers to 100 - Read and write numbers to 100 in numerals and in words - Flexibly partition numbers to 100 - Write numbers to 100 in expanded form - Explore numbers to 100 on a number line - Estimate numbers on a number line - Use place value and number facts to solve problems - Compare objects and numbers to 100 - Count in multiples of 2, 5 and 10 - Count in multiples of 3 **Number - Addition and Subtraction** - Addition and subtraction to 10 (bonds) - Addition and subtraction to 20 (bonds) - Compare number sentences Bonds to 100 (tens) - Add and subtract 1 - Add by making 10 - Add three 1-digit numbers	**Number - Addition and Subtraction** - Add take away numbers not crossing 10 - Add and subtract numbers crossing 10 - 10 more than 10 less than - Add and subtract numbers using concrete objects, pictorial representations and mentally including: a 2-digit number and ones; a 2-digit number and tens; 2, 2-digit numbers - Compare number sentences - Missing number problems **Geometry – properties of shapes** - Recognise 2D and 3D shapes - Describe the properties of 2d shapes (including the number of sides and vertices) - Draw 2D shapes - Draw Lines of symmetry - Use lines of symmetry to complete shapes - Sort 2D shapes - Describe the properties of 3D shapes, including the number of edges, vertices and faces - Sort 3D shapes - Make patterns with 2D and 3D shapes	**Measurement – Money** - Recognise coins (p and £) - Recognise notes - Count money (coins and notes) - Add coins together - Make amounts/totals - Use p and £ sign - Compare money - Understand the value of coins - Find the difference/give change - 2 Step word problems **Number - Multiplication and Division** - Recognising, making and adding equal groups - Complete multiplication sentences - Use arrays - Making and sharing equal groups - 2 Times tables - Divide by 2 - Double numbers - Odd and even numbers - Times table 5, 10 - Divide 5, 10	**Measurement - Length and Height** - Measure length (cm and M) - Compare length and height - Order lengths and heights - Complete 4 operations (+, -, x /) with length and heights **Measurement – Mass, capacity and temperature** - Compare mass - Measure in g and kg - Complete 4 operations (+, -, x /) with mass - Compare volume and capacity - Measure in ml and l - Complete 4 operations (+, -, x /) with volume and capacity - Develop understanding of temperature - Measure and compare temperature in C	**Number – Fractions** - Work with parts and wholes - Make equal parts - Recognise and find half - Recognise and find a quarter - Recognise and find a third - Develop understanding of unit and non-unit fractions - Recognise equivalent fractions ½ and 2/4 - Find ¾ - Count in fractions - Solve problems including fractions **Measurement – Time** - Tell time to the hour - Tell time to half hour - Tell time to ¼ and ¼ to - Tell time to 5 minutes - Write the time - Understand hours and days - Compare durations of time	**Statistics -** - Making tally charts - Interpret tally charts - Draw and interpret pictograms 1-1 - Draw and interpret pictograms 2,5,10 - Complete block diagrams **Geometry – Position and Direction** - Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line. (Position and movement) - Distinguish between rotation as a turn and in terms of right angles for quarter, half and ¾ turns (clockwise and anti-clockwise - Making patterns with shapes