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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| **Getting to know you.**  **TEACHER ASSESSMENT & BASELINE ASSESSMENT**  The assessment consists of: mathematics tasks, early number, early calculation (early addition/subtraction), mathematical language, early understanding of pattern  Routine  Numbers all around us  Counting  **Just like me**  Match and sort  Compare amounts.  Compare size, Mass and Capacity  Exploring pattern | **It’s Me 1 2 3!**  Representing 1, 2 and 3  Comparing 1, 2 and 3  Composition of 1, 2 and 3  Circles and Triangles  Positional language  **Light and Dark**  Representing numbers to 5  One more and less  Shapes with 4 sides  Time | **Alive in 5!**  Introducing zero  Comparing numbers to 5  Composition of 4 and 5  Compare Mass  Compare Capacity  **Growing 6, 7, 8**  6, 7 and 8  Combining 2 amounts  Making pairs | Length and Height  Time  **Building 9 and 10**  Counting to 9 and 10  Comparing numbers to 10  Bonds to 10  3D shapes  Patterns | **To 20 and Beyond**  Building numbers beyond 10  Counting patterns beyond 10  Spatial reasoning (1)  Match, Rotate, Manipulate  **First Then Now**  Adding more  Taking away  Spatial reasoning (2)  Compose and decompose | **Find my Pattern!**  Doubling  Sharing and grouping  Even and Odd  Spatial reasoning (3)  Visualise and build  **On the Move**  Deeping understanding  Patterns and relationships  Spatial reasoning (4)  Mapping |

EYFS Maths Overview – White Rose

**Mathematics ELG: Number** Children at the expected level of development will: - Have a deep understanding of number to 10, including the composition of each number; - Subitise (recognise quantities without counting) up to 5; - Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

**ELG: Numerical Patterns** Children at the expected level of development will: - Verbally count beyond 20, recognising the pattern of the counting system; - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity; - Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

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| Autumn 1 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** |
| **Getting to know you** | | | **Just like me** | | |
| **Baseline and Teacher Assessment:**   * Early Number * Early Calculation * Mathematical Language * Early Understanding of Pattern | | | **Focus: Match**  **Concepts and activities:**  Find objects which are the same/different.  Play matching game (pairs).  Matching size and shape as well as pattern and colour.  Creating matching patterns (construction towers and kits)  **Focus: Sort**  **Concepts and activities:**  **Sort into same/different – based on colour, size, shape.**  **Sorting into groups – sorting by own criteria.**  **Numberblocks**  **S1 E10 How to count** | **Focus: Compare Amounts**  **Concepts and activities:**  Make comparisons to find groups have: equal/more/less/  greater/fewer  **Focus: Compare size, mass and capacity.**  **Concepts and activities:**  Compare and order based on size, mass and capacity.  Vocabularly  Large/small  Big/little  Short/tall  Tallest/shortest | **Focus: Make simple patterns**  **Concepts and activities:**  Copy, continue, make own simple repeating patterns (2&3 units of repeat)  Spotting mistakes in patterns.  **Numberblocks**  **S3 E17 Pattern Palace** |
| **Settling:**  Focus on getting to know the children. Learning about numbers around us. Daily routine, exploring number resources in provision, number rules for areas, postional language at tidy up time, playing games with friends. Daily counting, nursery rhymes and counting songs. | | |
| **Activities to assist Baseline** | | |
| My age.  My favourite fruit, animal, colour and count.  Matching fruit.  Patterns with favourite colours. | Pattern matching and counting using:  Rhyme – Five little ducks  Rhyme – Five speckled frogs  Rhyme – Five little men in a flying saucer | Positional language and sequencing using:  Rhyme – Humpty Dumpty  Sequencing daily events  Tidy up time  Sequencing meal times |

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| Autumn 2 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** |
| **It’s me, 1, 2, 3!** | | | **Light and Dark** | | | |
| **Focus:**  **Introducing 1, 2 and 3.**  **Concepts and activities:**  Finding 1, 2 and 3 in the environment. Matching quantities to numeral.  Subitising images for 1, 2 and 3.  **Introduce: circles and 1p**  **Rhymes/Stories**  1, 2, 3, 4, 5 Once I caught a fish alive  Baa, baa, black sheep  **Numberblocks**  **S1 E1 One**  **S1 E2 Another One**  **S1 E3 Two**  **S1 E4 Three** | **Focus:**  **Composition of 1, 2 and 3.**  **Concepts and activities:**  Sorting different representations of 1,2 and 3   * Fingers * Counters * Cube towers * Numicon   Seeing 3 in different ways – part-part-whole, partitioning and number bonds to 3.  Matching amounts to numerals.  One more and one less within 3.  **Introduce: 2p**  **Numberblocks**  **S1 E5 One, Two, Three** | **Focus:**  **Circles and Triangles.**  **Concepts and activities:**  Triangles and circles in real life.  Shape hunt  Describe shapes.  Make pictures with shapes.  **Other maths activities:**  Kandinsky’s Circles and Triangle images  **Focus:** Spatial Awareness  **Concepts and activities:**  Positional language | **Focus:**  **Introduce 4 and 5.**  **Concepts and activities:**  Making 4 and 5.  Introducing 5 frame.  Subitising 4 and 5.  Discussing/investigating number bonds to make 4 and 5.  Topmarks interactive game ‘Teddy counting’  **Introduce: 5p**  **Rhymes/Stories**  5 Current buns  5 Little men in a flying saucer  5 speckled frogs  5 red apples  5 Little ducks  Subitise song  **Numberblocks**  **S1 E6 Four**  **S1 E7 Five**  **S1 E8 Three little pigs** | **Focus:**  **Exploring 4 and 5.**  **Concepts and activities:**  Different ways 4 and 5 are made – verbally and describing.  Introducing five subitising frame.  Exploring shapes made with 4 and 5 cubes.  **Focus:** 1 more/1 less  **Concepts and activities:**  Using rhymes to explore one more and one less.  Exploring one more and less practically.  **Rhymes/Stories**  5 Little men in a flying saucer  5 green bottles  The enormous turnip  **Numberblocks**  **S1 E11 Stampolines** | **Focus:**  **Rectangle and Squares.**  **Concepts and activities:**  Rectangles and squares.  Describe features.  Finding shapes in real life and making pictures with 2D shapes.  Guess the shape in feely bag –   * Circle * Triangle * Square * Rectangle   Shape Monster Topmarks interactive game.  **Rhymes/Stories**  Mr Strong (square)  **Numberblocks**  **S1 E16 Flatland** | **Focus:**  **Night and day – time.**  **Concepts and activities:**  Sequencing daily routines.  Time of day - day and night.  **PSHE unit** – Our day, sequencing getting ready for school/going to bed.  **Rhymes/Stories**  Peace at last.  Day monkey, night monkey. |

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| Spring 1 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** |
| **Alive in 5** | | | **Growing 6, 7, 8** | | | |
| **Focus:**  **One less.**  **Concepts and activities:**  Sentence stems ‘one less than \_\_\_ is\_\_\_’  **Introduce: counting back from 5**  **Rhymes/Stories**  5 currant buns  5 little ducks  (counting back – one less)  **Focus:** 0 Zero. Comparing numbers to 5.  **Concepts:** Quantities same/more/fewer than.  Equal and unequal groups.  **Numberblocks**  **S3 E5 Zero**  **S3 E1 Once upon a time**  **S1 E12 The Whole of Me**  **S1 E14 Holes** | **Focus:**  **Composition of numbers to 5.**  **Concepts and activities:**  Subitising.  Making pairs to make a whole.  Introducing part-part-whole method.  Number bonds to 5.  Addition and subtraction; 2 groups and 3 groups – how many altogether and how many missing?  Bunny ears – composition of 5.  **Numberblocks**  **S1 E13 Terrible Twos**  **S3 E3 The Numberblocks Express**  **S1 E11 Stampolines**  **S1 E15 Hide and Seek** | **Focus:**  **Measuring and comparing mass and compacity.**  **Concepts and activities:**  Using scales.  Heavier and lighter.  Full and empty.  How many fit inside?  Applying measuring and weighing into baking – biscuits, cupcakes. | **Focus:**  **Introduce 6, 7 and 8.**  **Concepts and activities:**  Subitising, comparing, part-part-whole of 6,7,8.  Introduce tens frame.  **Rhymes/Stories**  Six dinner Sid  **Focus:** One more and One less.  **Concepts and activities:**  How many are missing?  Add one more – how many now?  **Numberblocks**  **S2 E1 Six**  **S2 E2 Seven**  **S2 E3 Eight** | **Focus:**  **Matching 6, 7, and 8.**  **Concepts and activities:**  Matching images of 6, 7 and 8 in different representations   * Fingers * Pictures * Cube towers * Double sided counters * Ten frames * Numicon   **Focus:** Pairs  **Concepts and activities:**  Pairing different resources.  Spotting one left over and ‘odd’.  Introduce: double 1, 2, and 3.  **Rhymes/Stories**  10 fat sausages  **Numberblocks**  **S2 E12 Fluffies**  **S2 E9 Double trouble** | **Focus:**  **Combining groups and adding more.**  **Concepts and activities:**  Count separate groups then how many together.  Adding more on a numberline.  Games with number tracks.  **Numberblocks**  **S2 E6 Just Add One** | **Focus:**  **Length and height.**  **Time – Days of the week.**  **Concepts and activities:**  Describe length and height (tall, taller, tallest, short, shorter, shortest, long, longer, longest)  Measuring height.  Measuring time.  Make direct comparisons.  Days of the week.  **Focus:** One minute – what can the children do in 1 min?  How many times can they write their name?  Can they fill a peg board?  How many jumps? Etc.  **Rhymes/Stories**  Jasper’s beanstalk  Big and Little  Jack Hartman Days of the week song |

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| Spring 2 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** |
| **Building 9 and 10** | | | **Consolidation** | | |
| **Focus: 9 and 10**  **Concepts and activities:**  Comparing, representing, sorting 9 and 10.  Ordering numerals to 10.  Composition of 9 and 10.   * Double sided Counters * Cube towers * Ten frames * Numicon   Topmarks interactive game ‘Under the sea counting’ and ‘Helicopter rescue’  **Rhymes/Stories**  Dr Nickaboka Number 9!  **Numberblocks**  **S2 E4 Nine**  **S2 E10 The three threes**  **S3 E10 Hiccups** | **Focus: 9 and 10**  **Comparing numbers to 10**  **Concepts and activities:**  Counting, comparing, sorting up to 10.  Using numberlines.  Composition of 10   * Ten frames * Double sided counters * Numicon   Bonds to 10, partitioning.  Counting forwards and backwards to 10.  One more/one less up to 10.  **Rhymes/Stories**  10 in a bed  10 green bottles  **Numberblocks**  **S2 E5 Ten**  **S2 E7 Blast Off**  **S2 E7 Ten Green Bottles**  **S3 E6 Now we are 6-10** | **Focus: 3D Shape**  **Concepts and activities:**  Names of 3D shapes   * Cube * Cuboid * Sphere * Cylinder * Cone   **3D fat shape/2D flat shape**  Similarities/differences  Shape features – curved flat, corners  Identifying shapes in real objects.  3D shape hunt.  Printing with 3D shapes to identify 2D shape faces.  Building with 3D shapes.  Patterns – ABB, AABB Etc.  What’s my pattern.  Complete patterns   * Counters * Glass beads * Compare bears   Topmarks interactive game ‘Patterns’  **Numberblocks**  **S3 E17 Pattern Palace**  **S3 E8 Building Blocks** | **Focus: Consolidating**  **Concepts and activities:**  Sorting zero or not zero  Measuring  Equal and unequal  Composition of numbers up to 5.  One more/one less numbers to 5.  Subitising – dice games  **Numberblocks**  **S3 E15 Ten Again** | **Focus: Consolidating**  **Concepts and activities:**  Length and Height  Combining two groups  Numbers 6, 7, 8 compositions.  One more/one less numbers 6, 7, 8.  **Numberblocks**  **S3 E9 Peekaboo!**  **S5 What’s my number?**  **S3 E14 Octoblock to the rescue!** | **Focus: Consolidating**  **Concepts and activities:**  2D and 3D shapes  3D Sorting activities:  Roll/not roll  Curved/flat  Patterns  Number recognition to 10  Number bingo 0-10  Missing numbers  **Numberblocks**  **S3 E13 Five and Friends**  **S2 E15 Numberblock castle**  **S3 E18 The legend of big tum.** |

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| Summer 1 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** |
| **To 20 and Beyond** | | | **First, Then, Now** | | |
| **Focus: Building numbers beyond 10**  **Concepts and activities:**  Number patterns to 20 (numbers 1-9 repeat after every full ten)  Understanding ‘teen’ numbers  Up to 20 on tens frames  Estimating  Matching pictures and numerals  Subtraction  **Numberblocks**  **S3 E24 Eleven**  **S3 E25 Twelve**  **S3 E23**  **Ride the rays** | **Focus: Counting patterns beyond 10**  **Concepts and activities:**  Visual representations of up to 20   * Fingers (with partner) * Tens frames * Numicon * Cube towers   Counting patterns beyond 20 – 2,3,4 (5,6,7), 8,9,10 – number splat 100 square.  Counting along a numberline.  Ordering numbers to 20.  Bingo 0-20  Missing numbers.  Capacity and estimating  **Numberblocks**  **S5 Ten Valuting**  **S3 E22 Black Star**  **S4 E11 Thirteen**  **S3 E26 Fourteen**  **S3 E27 Fifteen** | **Focus: Spatial Reasoning**  **Match, Rotate, Manipulate**  **Concepts and activities:**  Matching shapes  Making shapes   * Peg boards * Elastic band boards * Lollipop sticks * Pipe cleaners   Matching shapes with 3D models  Replicating models made with 3D and 2D shapes.  Tangrams with 2D shapes.  **Numberblocks**  **S3 E28 Tween Scenes**  **S3 E30 Step squads**  **S4 Fifteen’s Minute of fame**  **S4 On your head** | **Focus: Adding More**  **Concepts and activities:**  First, then, now stories – addition.  Adding more on ten frames  Adding more – unknown ‘then’.  Adding more ‘first’ unknown  **Rhymes/stories:**  Mr Grumpy’s Outing  **Numberblocks**  **S4 Tens Place**  **S4 Balancing Bridge**  **S4 Sixteen**  **S4 Square Club** | **Focus: Taking Away**  **Concepts and activities:**  First, then, now stories – subtraction.  Taking away with unknown ‘then’.  Playing games with numbers decreasing.  **Rhymes/stories:**  Kipper’s toybox  10 Green bottles  **Numberblocks**  **S4 Seventeen**  **S3 Eighteen**  **S4 Loop the Loop**  **S4 Nineteen** | **Focus: Spatial Reasoning**  **Concepts and activities:**  Making new shapes using right angled triangles, squares and triangles (folding/cutting)  Pattern blocks  Tangrams  **Rhymes/stories:**  Grandpa’s quilt  **Numberblocks**  **S4 Twenty**  **S4 Tall stories**  **S4 Flights of fancy**  **S4 I can count to Twenty** |

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| Summer 2 | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** |
| **Find my Pattern** | | | **On the Move** | | |
| **Focus: Doubling**  **Concepts and activities:**  Doubling is ‘twice as many’.  Doubles on tens frames.  Building doubles with real objects.  Doubling using tens frames and mirrors.  ‘Double 2 is 4’  Introduce: Counting in 2s.  **Numberblocks**  **S3 E19 Mirror, mirror**  **S4 Heist** | **Focus: Sharing and grouping**  **Concepts and activities:**  Sharing equally between set number of people.  ‘Is it a fair share?’  Making equal groups.  **Rhymes/stories:**  The Doorbell rang  **Numberblocks**  **S4 Sign of the Times**  **S4 Fun times**  **S4 The Lair of shares**  **S4 Terrible Twosdays** | **Focus: Evens and Odds**  **Concepts and activities:**  Some things do not share equally into 2 groups and there is one left over.  ‘Is it a fair share?’  Identifying odd and even numbers.  Odd and even numbers on tens frames and Numicon.  100 square  **Numberblocks**  **S2 E11 Odds and Evens** | **Focus: Problem solving**  **Concepts and activities:**  Solve number problems using stories and scenarios up to 10.  Reinforce number bonds of all numbers to 10, especially 1 to 5.  **Rhymes/stories:**  Mr Grumpy’s Outing  Harry and his bucketful of Dinosaurs  **Consolidation:**  Number recognition to 20  Accurate counting | **Focus: Patterns and relationships**  **Concepts and activities:**  Investigating relationships between numbers and shapes – base 10, Numicon  Copy, continue and create repeating patterns (up to 4 steps) and symmetrical constructions.  Symmetry – mirrors.  **Consolidation:**  2D flat shapes  3D fat shapes | **Focus: Spatial Reasoning**  **Concepts and activities:**  Making maps of journeys – obstacle course, from stories, familiar journeys  Prepositional language  Introduce: left and right  **Rhymes/stories:**  Little Red Riding Hood  Handa’s surprise  **Consolidation:** Composition of numbers 10  Counting beyond 20.  Odd/even  One more/one less numbers to 10. |