

White Rose Maths – Long Term Plan

Reception

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Getting to know you (White Rose)		Just like me (White Rose)				
Autumn 1	Baseline and Teacher assessment: - Early Number - Early calculation - Mathematical language - Early understanding of pattern Learning about routine and numbers around us.		Focus: Match Concepts: Find objects which are the same/ different.	Focus: Sort Concepts: 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: Make comparisons to find groups have: equal/more/less/greater/fewer. Additional concepts: Counting by rote, counting out loud, counting rhymes and songs. Different representations of numbers e.g. fingers.	Focus: Compare size, mass and capacity. Concepts: Compare and order based on size. Vocab: Large/small Big/little Short/tall Tallest/shortest	Focus: Make simple patterns Concepts: Copy, continue, make own simple repeating patterns (3 units of repeat). Numberblocks S3 E8 Building Blocks S3 E17 Pattern Palace
	It's me, 1,2,3! (White Rose)			Light and Dark (White Rose)			
Autumn 2	Focus: Introducing 1. Representing 1,2,3. Comparing 1,2,3. Concepts: Equal/not equal. 5 frames. Circles 1p Numberblocks S1 E1 One.	Focus: Introduce 2 and 3. Composition of 1,2,3 Concepts: Addition within 3 2 step patterns. 2p. Numberblocks S1 E2 Another One. S1 E3 Two S1 E4 Three	Focus: Circles and Triangles. Spatial Awareness Concepts: 3 step pattern. Triangles. Positional language Numberblocks S1 E5 One, two, three	Focus: Introduce 4 Concepts: Squares and rectangles Numberblocks S1 E6 Four S1 E8 Three little Pigs.	Focus: Introduce 5 Concepts: Pentagons 5p 5 rhymes- 5 current buns, sizzling sausages Numberblocks S1 E7 Five S1 E9 Off we go .	Focus: 1 more/1 less Concepts: Subtraction One more/one less on fingers, with counters/cubes and on a number line.	Focus: Combining shapes Night and day - time. Concepts: Investigating which shapes make new shapes. Daily routines. Numberblocks S3 E16 Flatland Consolidation and recap.

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	Alive in 5 (White Rose)			Growing 6,7,8 (White Rose)			

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Spring 1	Focus: Introducing 0. Comparing numbers to 5.		Focus: Composition of 4 and 5.		Focus: Compare mass Measuring and comparing capacity.		Focus: Introduce 6		Focus: Introduce 7		Focus: Introduce 8		Focus: Length and height Time – Days of the week	
	Concepts: Quantities same/more/fewer than. Numberblocks S3 E5 Zero. S3 E1 Once upon a Time S1 E12 The Whole of Me S1 E14 Holes		Concepts: Subitising. Making pairs to make the whole. Introducing part, part, whole method. Number bonds to 5. Addition and subtraction; 2 groups and 3 groups – how many altogether and how many are missing? Numberblocks S1 E13 Terrible Twos S3 E3 The Numberblocks Express S1 E11 Stampolines S1 E15 Hide and Seek		Concepts: Hheavier and lighter Full and empty. How many fit inside? Books: <i>Who sunk the boat?</i> <i>There’s a hole in my bucket.</i> Clip: <i>Mary Poppin’s bag</i> Recap and consolidate composition within numbers.		Concepts: Counting, subitising, comparing, part-part-whole of 6. Double 3. Hexagon. Intoduce tens frame. Combining 2 groups Subitising on a dice Numberblocks S2 E1 Six S2 E8 Counting Sheep		Concepts: Counting, subitising, comparing, part-part-whole of 7. Partitioning Consolidate tens frames Numberblocks S2 E2 Seven S2 E12 Fluffies		Concepts: Counting, subitising, comparing, part-part-whole of 8. Making pairs Doubles (1,2,4) Numberblocks S2 E3 Eight S2 E9 Double Trouble		Concepts: Describe length and height (taller, shorter, longer, shorter) Make direct comparisons. Days of the week Measuring height Measuring time Books: <i>5 Minutes Peace</i> Numberblocks S2 E6 Just Add One	
Building 9 and 10 (White Rose)							Spring Consolidation							
Spring 2	Focus: Number 9		Focus: Number 10 Comparing numbers to 10		Focus: 3D shape		Focus: Consolidating		Focus: Consolidating		Focus: Consolidating			
	Concepts: Comparing, representing, sorting up to 9. Orering numerals to 10. Composition of 9. Partitioning and combining (inverse) Structure of square numbers 4 and 9 Numberblocks S2 E4 Nine S2 E10 The Three Threes S3 E10 Hiccups		Concepts: Counting, comparing, sorting up tp 10. Bonds to 10 (partitioning) Counting forwards and backwards to 10. Singing 10 rhymes Numberblocks S2 E5 Ten S2 E7 Blast Off S2 E7 Ten Green Bottles S3 E6 Now We Are 6-10		Concepts: Names of 3D shapes. Can describe similarities and differences. Building with 3D shapes. Patterns - more repetition – ABB ABBB Numberblocks S3 E17 Pattern Palace S3 E8 Building Blocks		Concepts: Numeral recognition Subitising 1-10 Games involving matching numerals to number of items (pictorial) Tens frames games Numberblocks S3 E15 Ten Again		Concepts: Comparing two groups Combining two groups Composition of 7 and 8 Numberblocks S3 E9 Peekaboo! S5 What’s My Number? S3 E14 Octoblock to the Rescue!		Concepts: Composition of 9 and 10 Estimation Numberblocks S3 E13 Five and Friends S2 E15 Numberblock Castle S3 E18 The Legend of Big Tum			
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To 20 and Beyond (White Rose)							First, Then, Now (White Rose)							

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Summer 1	Focus: Building numbers beyond 10 Concepts: Number patterns beyond 10 (numbers 1-9 repeat after every full ten) Making numbers beyond 10 on tens frame Estimating Matching pictures and numerals Numberblocks S3 E12 Numberblocks Rally S3 E24 Eleven S3 E25 Twelve S3 E21 The Way of the Rectangle S3 E23 Ride the Rays	Focus: Counting Patterns beyond 10 Concepts: Counting on and back beyond 10 using visual representations. Missing numbers Ordering numbers to 20 Numberblocks S5 Ten Vaulting S3 E22 Block Star S4 E11 Thirteen S3 E26 Fourteen S3 E27 Fifteen	Focus: Spatial Reasoning (Match, Rotate and Manipulate) Concepts: Matching shapes using jigsaws and puzzles Matching with models Replicating models Tangrams Numberblocks S3 E28 Tween Scenes S3 E30 Step Squads S4 Fifteen's Minute of Fame S4 On Your Head	Focus: Adding More Concepts: First, then, now story Counting on Adding more – unknown 'then' Adding more – 'first' unknown Numberblocks S4 Tens Place S4 Balancing Bridge S4 Sixteen S4 Square Club	Focus: Taking Away Concepts: First, then, now story Taking away with unknown 'then' Numberblocks S4 Seventeen S4 Eighteen S4 Loop the Loop S4 Nineteen	Focus: Spatial Reasoning (Compose and Decompose) Concepts: Making new shapes Pattern blocks Shapes can be pulled apart to make more shapes. Numberblocks S4 Twenty S4 Tall Stories S4 Flights of Fancy S4 I Can Count to Twenty	
	Find my Pattern (White Rose)			On the Move (White Rose)			
Summer 2	Focus: Doubling Concepts: Doubling is 'twice as many' Building doubles with real objects Doubling using tens frames, mirrors and barrier games "Double 2 is 4" Numberblocks S3 E19 Mirror, Mirror S4 Heist	Focus: Sharing and Grouping Concepts: Sharing equally Making equal groups Numberblocks S4 Sign of the Times S4 Fun Times Fair S4 The Lair of Shares S4 Terrible Twosday	Focus: Even and Odd Concepts: Some things do not share equally into 2 groups and there is one left over. Odd and even structure on number shapes/tens frame. Numberblocks S2 E11 Odds and Evens Clip: One Odd Day	Focus: Problem Solving Concepts: Solve problems using stories e.g. Mr Grumpy's Outing	Focus: Patterns and Relationships Concepts: Investigating relationship between numbers and shapes e.g. Cuisenaire rods, base 10. Copy, continue and create repeating patterns (up to 4 steps) and symmetrical constructions	Focus: Spatial Reasoning Concepts: Making maps of journeys (obstacle courses, familiar journeys they go on, from stories)	