



Forest Lodge Academy
A L.E.A.D. Academy



White Rose Maths – Reception Long term Plan

whiterosemaths@forestlodgeacademy.co.uk MAT

	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Getting to know you	Match, sort and compare	Talk about Measures and patterns.	It's me 1,2,3		Circles and Triangles.
Autumn 1	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. Playing matching game (pairs). Matching size and shape as well as pattern and colour. Creating matching patterns (construction towers, coloured clowns, beads). Concepts and activities: Sort into same/different – based on colour, size, shape. Sorting into groups. Sorting by own criteria.	Focus: Patterns, capacity, mass, size. Concepts and activities: Comparing objects (size, colour, shape) Modelling language. Ordering objects by mass and capacity. Modelling language. Copy, continue, make own simple repeating patterns (3 units of repeat). Spotting mistakes in repeating patterns. Vocab: Large/small Smaller/bigger Heavy/light Heavier/Lighter Big/little Short/tall Tallest/shortest	Focus: Introducing 1, 2 and 3. Concepts and activities: Finding 1, 2, 3 in environment. Matching quantities to numeral. Subitising images of 1, 2, and 3. Numberblocks  S1 E1 One. S1 E2 Another One. S1 E3 Two S1 E4 Three	Focus: Composition of 1,2,3 Concepts and activities: Sorting different representations of 1, 2, and 3. Matching amounts to numerals. One more and one less within 3. Numberblocks  S1 E5 One, two, three	Focus: Circles and Triangles. Concepts and activities: Triangles. Circles and triangles in real life. Other maths activities: Kandinsky's Circles and Triangles images Concepts and activities: Positional language

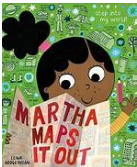
	Settling: Focus on getting to know the children. Learning about numbers around us. Daily routine, exploring number resources in provision, number rules for areas, positional language at tidy up time.			More/less. <u>Rhymes/Stories:</u> AB, AB, A book of pattern play.  Numberblocks S3 E17 Pattern Palace							
	Activities (to assist baseline):										
	My age. My favourite fruit, animals, pets and count. My family.	Pattern, matching, counting using: Number rhymes. Sequencing daily events. Sequencing meals.									

Autumn 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7 & 8
	1,2,3,4,5,					Shapes with 4 sides	
	Focus: Exploring 4 and 5. Counting 1 -5, Cardinality. 1/1 Counting correspondence. Concepts and activities: Recognising numerals and representations of 4. Making stampoline patterns for 4. 1/1 counting correspondence of 1-4. Rhymes/Stories: Witches four Numberblocks  S1 E6 Four S1 E11 Stampolines	Focus: Exploring and 4 and 5. Counting 1 -5, Cardinality. 1/1 Counting correspondence. Concepts and activities: Recognising numerals and representations of 5. Sorting 4 and 5. 1/1 counting correspondence of 1-5. Rhymes/Stories: 5 little friends. Numberblocks  S1 E7 Five S3 E1 Once upon a Time S1 E12 The Whole of Me	Focus: Subitising 1 to 5. (looking for patterns in the dots) Adding 1 more (amounts/ numbers) Concepts and activities: Subitising. Adding 1 more. Rhymes/Stories: Pete the cat and his 4 groovy buttons. The very hungry caterpillar.	Focus: All about 5 (numerals, representations. Investigate how to compose / decompose 5 (stampolines). Rhymes/Stories: Numberblocks  S1 E7 Five	Focus: Counting backwards. Recap 'fewer'. Finding 1 less (amounts and then Numbers) Composition of 5. Introduce 5 frame and double sided counters. Introduce part/part whole model. Rhymes/Stories 5 speckled frogs 5 currant buns 5 little men in a flying saucer Numberblocks  S1 E14 Holes	Focus: Adding 2 groups together. Introducing '+' and '=' symbols, adding 2 groups using different objects. Rhymes/Stories: Numberblocks  How many passengers	Week 7 Focus: Rectangles and Squares. Concepts and activities: Rectangles and Squares. Finding shapes in real life and making pictures with shapes. Rhymes/Stories: Mr Strong  Numberblocks  S3 E16 Flatland Week 8 Focus: Sorting 2d shapes. Finding shapes in the environment. Night and day - time. Concepts and activities: Shape Scavenger hunt. Sequencing daily routines. Time of day – day and night. Rhymes/Stories: Day Monkey Night Monkey 

Spring 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Alive in 5 (White Rose)		Growing 6,7,8 (White Rose)				
	Focus: Zero Concepts and activities: Sorting representations of 0 and not 0. Rhymes/stories: Zero is the leaves on the tree. Numberblocks S3 E5 Zero. 	Focus: Composition of numbers to 5. Numbers can be made of parts. Concepts and activities: Adding parts to make the whole. Part, part, whole method. Addition. – How many altogether. Rhymes/stories 5 little peas in a peapod pressed.	Focus: Introduce 6. Combining groups. Concepts and activities: Subitising. Recognising the numeral and representations of 6. Knowing that 6 is 5 and 1 more. Introduce Hungarian die frame. Count separate groups then how many altogether. Numberblocks  S2 E1 Six S3 E7 Numberblobs	Focus: Introduce 7. Combining groups. Concepts and activities Subitising. Recognising the numeral and representations of 7. Knowing that 7 is 5 and 2 more. Part part whole – exploring numbers that make 7. Count separate groups then how many altogether. Numberblocks  S3 E7 Numberblobs S2 E12 Fluffies	Focus: Introduce 8. Combining groups. Concepts and activities Subitising. Recognising the numeral and representations of 8. Knowing that 8 is 5 and 3 more. Introduce a 10 frame and explore making 8. Count separate groups then how many altogether. Numberblocks  S2 E3 Eight	Focus: Doubling and combining groups. Concepts and activities: Doubling and combining groups. Concepts and activities: Doubling using a range of practical resources – spots, numicon, numberblocks and numberblobs. Rhymes/stories 2 of everything. Numberblocks  S2 E9 Double Trouble	Focus: Pairs, odd and even numbers. Concepts and activities: Pairing different resources. Spotting one left over and an ‘odd’ one. Sorting Numberblocks 0 odd blocks and even tops/ Numicon. Numberblocks  S2 E11 Odds and evens.

Spring 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Building 9 and 10				Length, Height & time	Exploring 3D Shape
	Focus: Introduce 9. (8 and 1 more) Concepts and activities: Knowing that 9 is made from 5 and 4. Recognising the numeral and representations of 9. Composition of 9 using a 10 frame. Count separate groups then how many altogether. Numberblocks S2 E4 Nine  S3 E10 Hiccups	Focus: Introduce 10. Concepts and activities: Counting, comparing, and sorting up to 10. Composition of 10. Singing 10 rhymes Numberblocks S2 E5 Ten 	Focus: Counting and comparing numbers to 10. Subitising to 10. 1 more, 1 less. Use of number lines. Counting forwards and backwards to 10. Make arrangements of 10. Rhymes/stories: Ten in a bed Ten Green Bottles Numberblock S3 E6 Now We Are 6-10 S2 E7 Ten Green Bottles S2 E6 Just add one	Focus: Number bonds to 10. Doubles to 10. Concepts and activities: Counting forwards and backwards to 10. Composition of 10. Bonds to 10 (partitioning) using a range of hands on resources. Numberblocks  S3 E15 Ten Again S2 E7 Blast Off	Focus: Length, Height, weight & time. Concepts and activities: Exploring vocabulary 'long', 'short', 'tall', 'longest', 'shortest', Comparing objects. Measuring height. Measuring time— time of the day/ days of the week. Make direct comparisons. Rhymes/stories '5 minutes peace' by Jill Murphy Numberblocks S6 As tall as the sun	Focus: Explore 3D shape Concepts and activities: Names of 3D shapes. Can describe similarities and differences. Some 3D shape features – curved, flat. Identifying shapes in real objects. Printing with shapes in playdough to identify 2D shapes within 3D shapes. Building with 3D shapes Numberblocks  S6 Shape party S6 Can I have my ball back please. S6 Cuboid castle

Summer 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Complex patterns	To 20 and beyond		First, Then, Now	Manipulate, compose and decompose	Sharing & Grouping	
	Focus: Complex patterns & Numbers 10 Concepts and activities: Patterns – three or four step – ABB AABB. Forming patterns around different shapes. Numberblocks  S3 E17 Pattern Palace S3 E8 Building Blocks S6 The pattern of patterns S3 E24 Eleven S3 E25 Twelve	Focus: Building numbers beyond 10 Concepts and activities: Number patterns to 20 (numbers 1-9 repeat after every full ten) Beyond 20 on tens frame Numberblocks  S4 E11 Thirteen S3 E26 Fourteen S3 E27 Fifteen S3 Tween scenes S3 E23 Ride the Rays Episodes re numbers sixteen, seventeen, eighteen, nineteen and twenty can be watch at other times during the week.	Focus: Counting Patterns beyond 10 Concepts and activities: Visual representations of up to 20. Counting along a number track. Missing numbers in a number line. Ordering numbers to 20 Numberblocks  S4 I can count to twenty S4 A tall story S5 Ten Vaulting S3 E22 Block Star	Focus: How many now? Taking Away Concepts and activities: First, then, now stories. Counting on Adding more – unknown ‘then’ Adding more – ‘first’ unknown First, then, now story. Taking away with unknown ‘then’ Playing games with numbers decreasing Rhymes/stories: Mr Grumpy’s Outing  Numberblocks  S4 Tens Place S4 Balancing Bridge S4 Sixteen S4 Square Club	Focus: Spatial Reasoning Concepts and activities: Making new shapes using right angled triangles, squares and triangles. (Rotate) Tangrams. Matching shapes using jigsaws and puzzles Matching Rhymes/stories: Which one doesn’t belong? Tangram cat  Numberblocks  S3 Building blocks	Focus: Sharing and grouping Concepts and activities: Sharing equally between set numbers of people. Making equal groups of set objects. Rhymes/Stories: The Doorbell Rang  Numberblocks S4 Fun Times Fair S4 The Lair of Shares S6 Ice and dice	Focus: Doubling & Evens and Odds Concepts and activities: Doubling is ‘twice as many’ Building doubles with real objects Doubling using tens frames, mirrors and barrier games “Double 2 is 4” Some things do not share equally into 2 groups and there is one left over. Identifying odd or even numbers. Odd and even structure on number shapes/tens frame. Numberblocks  S3 E19 Mirror, Mirror S4 Terrible Twos day (odd & even)

Summer 2	Week 1	Week 2	Week 3	Week 4	Week 5
	Visualise, build & map	Making connections		Mass & Capacity	Consolidation
	<u>Focus: Spatial Reasoning</u> <u>Concepts and activities:</u> Giving instructions using positional language. Making maps of journeys (obstacle courses, familiar journeys they go on, from stories). <u>Rhymes/Stories:</u> What the Ladybird heard Martha maps it out  Numberblocks  S6 Octoblock and the path of justice	<u>Focus: Deepen Understanding</u> <u>Concepts and activities:</u> Solve problems using stories and scenarios. <u>Rhymes/Stories:</u> Mr Grumpy's Outing How many legs by Kes Gray Billy's bucket   	<u>Focus: Patterns and Relationships</u> <u>Concepts and activities:</u> Investigating relationship between numbers and shapes e.g. Cuisenaire rods, base 10. and symmetrical constructions <u>Rhymes/Stories:</u> Ants rule: The long and short of it.	<u>Focus: Measuring and comparing mass and capacity.</u> <u>Concepts and activities:</u> Using scales. Heavier and lighter Full and empty. How many fit inside? Applying measuring and weighing into baking. Clip: Mary Poppin's bag Numberblocks  S6 On my way to Numberblock fair S6 Feeding time	Teaching links to areas where the children need additional practise and/or consolidation.