White Rose Maths – Long Term Plan
Reception

<table>
<tr><th></th><th>Week 2</th><th>Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th><th>Week 7</th></tr>
<tr><td rowspan="4">Autumn 1</td><td colspan="3">Getting to know you</td><td colspan="3">Just like me</td></tr>
<tr><td colspan="3">Baseline and Teacher assessment:
• Early Number
• Early calculation
• Mathematical language
• Early understanding of pattern</td><td rowspan="3"><u>Focus</u>: Match

<u>Concepts and activities</u>:
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, be

<u>Focus:</u> Sort

<u>Concepts and activities</u>:
Sort into same/different – based on colour, size, shape.
Sorting into groups. Sorting by own criteria.

Numberblocks
S1 E10 How to Count</td><td rowspan="3"><u>Focus:</u> Compare Amounts

<u>Concepts and activities</u>:
Make comparisons to find groups have: equal/more/ less/greater/fewer.

<u>Focus:</u> Compare size, mass and capacity.

<u>Concepts and activities</u>:
Compare and order based on size, mass and capacity.
<u>Vocab</u>:
Large/small
Big/little
Short/tall
Tallest/shortest</td><td rowspan="3"><u>Focus</u>: Make simple patterns

<u>Concepts and activities</u>:
Copy, continue, make own simple repeating patterns (3 units of repeat).
Spotting mistakes in repeating patterns.

Numberblocks
S3 E17 Pattern Palace</td></tr>
<tr><td colspan="3">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, board games playing with friends.</td></tr>
<tr><td colspan="3">Activities (to assist baseline):</td></tr>
<tr><td>My age.
My favourite fruit, animals, pets and count.
Matching fruit.
Patterns with favourite colours.</td><td>Pattern, matching, counting using:
Story – Goldilocks.
Rhyme – 5 little speckled frogs
Rhyme – 5 little ducks.</td><td>Positional language and sequencing using:
Rhyme - Humpty Dumpty.

Sequencing daily events.
Sequencing meals.</td></tr>
</table>

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	It's me, 1,2,3! (White Rose)			**Light and Dark (White Rose)**			
Autumn 2	**Focus: Introducing 1,2 and 3.** **Concepts and activities**: Finding 12,3 in environment. Matching quantities to numeral. Subitising images of 1,2,3. **Discuss in Mental Time:** Circles 1p **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 1,2,3. Seeing 3 in different ways – part-part-whole and partitioning – number bonds to 3. Matching amounts to numerals. One more and one less within 3. **Discuss in Mental Time:** 2p. **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 **Focus: Spatial Awareness** **Concepts and activities:** Positional language.	**Focus: Introduce 4 and 5.** **Concepts and activities:**: Making 4 and 5. Introduce 5 frame. Subitising 4 and 5. Discussing ways 4 and 5 are made. **Discuss in Mental Time:** 5p **Rhymes/Stories:** 5 current buns 5 sizzling sausages 5 little speckled frogs **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 describing. Exploring shapes made with 4 and 5 building cubes. **Focus: 1 more/1 less** **Concepts and activities:** Using rhymes to explore one more and one less. Exploring one more and one less practically. **Rhymes/Stories:** One elephant came out to play 5 green bottles The enormous turnip **Numberblocks** **S1 E11 Stampolines**	**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**	**Focus: Night and day - time.** **Concepts and activities:** Sequencing daily routines. Time of day – day and night. **Rhymes/Stories:** Peace at Last Day Monkey Night Monkey

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	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)**			
Spring 1	**Focus: One less.** **Concepts and activities:** Sentence stems 'one less than___is___' **Rhymes/stories:** 5 currant buns **Focus:** 0. 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 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**	**Focus: Measuring and comparing mass and capacity.** **Concepts and activities**: Using scales. Heavier and lighter Full and empty. How many fit inside? Applying measuring and weighing into baking. ***Clip:*** ***Mary Poppin's bag***	**Focus: Introduce 6, 7, 8.** **Concepts and activities**: Subitising, comparing, part-part-whole of 6,7,8. Intoduce tens frame **Rhymes/stories:** Six Dinner Sid **Focus: One more one less.** **Concepts and activities:** How many are missing? **Discuss in Mental Time:** Hexagon. **Numberblocks** **S2 E1 Six** **S2 E2 Seven** **S2 E3 Eight**	**Focus: Matching 6,7,8.** **Concepts and activities**: Matchign images of 6,7,8 in different representations. **Focus: Pairs** **Concepts and activities**: Pairing different resources. Spotting one left over and 'odd'. **Numberblocks** **S2 E12 Fluffies** **S2 E9 Double Trouble**	**Focus: Combining groups and adding more.** **Concepts and activities**: Count separate groups then how many altogether. 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 (taller, shorter, longer, shorter) Measuring height Measuring time Make direct comparisons. Days of the week **Rhymes/stories:** Jasper's Beanstalk

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Building 9 and 10 (White Rose)			**Spring Consolidation**		
Spring 2	**Focus**: **9 and 10** **Concepts and activitie:** Comparing, representing, sorting up to 9 and 10. Ordering numerals to 10. Composition of 9 and 10. **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. Use of numberlines. Composition of 10. Bonds to 10 (partitioning) Counting forwards and backwards to 10. Singing 10 rhymes **Rhymes/stories:** Ten in a bed Ten 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. 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. Patterns – three or four step – ABB AABB **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 5 **Numberblocks** **S3 E15 Ten Again**	**Focus: Consolidating** **Concepts and activities:** Length and Height Combining two groups Numbers 6,7,8 composition. **Numberblocks** **S3 E9 Peekaboo!** **S5 What's My Number?** **S3 E14 Octoblock to the Rescue!**	**Focus: Consolidating** **Concepts and activities:** 3D Shapes in real life Pattern **Numberblocks** **S3 E13 Five and Friends** **S2 E15 Numberblock Castle** **S3 E18 The Legend of Big Tum**

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	To 20 and Beyond (White Rose)			**First, Then, Now (White Rose)**			
Summer 1	**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 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. Counting along a numbertrack. Missing numbers in a numberline. Ordering numbers to 20 Capacity and estimating **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 and activities:** Matching shapes using jigsaws and puzzles 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. Counting on 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 story. Taking away with unknown 'then' Playing games with numbers decreasing. **Rhymes/stories:** Kipper's Toybox 10 Green Bottles **Numberblocks** **S4 Seventeen** **S4 Eighteen** **S4 Loop the Loop** **S4 Nineteen**	**Focus: Spatial Reasoning** **Concepts and activities:** Making new shapes using right angled triangles, squares and triangles. 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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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Find my Pattern (White Rose)			**On the Move (White Rose)**		
Summer 2	**Focus: Doubling** **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" **Numberblocks** **S3 E19 Mirror, Mirror** **S4 Heist**	**Focus: Sharing and grouping** **Concepts and activities:** Sharing equally between set number of people. Making equal groups of set objects. **Rhymes/Stories:** The Doorbell Rang **Numberblocks** **S4 Sign of the Times** **S4 Fun Times Fair** **S4 The Lair of Shares** **S4 Terrible Twosday**	**Focus: Evens and Odds** **Concepts and activities:** 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** **S2 E11 Odds and Evens** **Clip:** **One Odd Day**	**Focus: Problem Solving** **Concepts and activities:** Solve problems using stories and scenarios. **Rhymes/Stories:** Mr Grumpy's Outing Harry and his Bucketful of Dinosaurs	**Focus: Patterns and Relationships** **Concepts and activities:** 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 and activities:** Making maps of journeys (obstacle courses, familiar journeys they go on, from stories) **Rhymes/Stories:** Little Red Riding Hood