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Reception Maths Long Term Plan

(Based on White Rose, including Mastering Number planning)

Autumn 1

Week	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Main lesson	**Transition days** **Baseline assessments** **Maths Games**	**Getting to know you** Numbers 1-5	**Match, sort and compare** Match objects Match pictures and objects Identify a set Sort objects to a type	**Match, sort and compare** Explore sorting techniques Create sorting rules Compare amounts	**Talk about measure and pattern** Compare size Compare mass Compare capacity	**Talk about measure and pattern** Explore simple patterns Copy and continue simple patterns Create simple patterns	**It's me 1,2,3** Find 1,2 and 3 Subitise 1,2 and 3 Represent 1,2 and 3	**It's me 1,2,3** 1 more 1 less Composition of 1,2 and 3
Mastering Number	X	X	X	X	Subitising 2 and 3	Counting, Ordinality & Cardinality	Composition of 3 and 4	Subitising 4

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Autumn 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Circles and triangles Identify and name circles and triangles Compare circles and triangles Shapes in the environment Describe position	**1,2,3,4,5** Find 4 and 5 Subitise 4 and 5 Represent 4 and 5	**1,2,3,4,5** 1 more 1 less Composition of 4 and 5 Composition 1-5	**Shapes with 4 sides** Identify and name shapes with 4 sides Combine shapes with 4 sides	**Shapes with 4 sides** Shapes in the environment My day and night	**Consolidation of learning based on end of unit assessments.**	**Christmas Maths**
Comparison – fewer and greater than	Counting, Ordinality and Cardinality – composition of 5	Comparison – fewer and greater than	Composition – parts and whole	Composition of 3, 4 and 5	Counting, Ordinality and Cardinality	Perceptual subitising

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Spring 1

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Alive in five Introduce zero Find 0 to 5 Subitise 0 to 5 Represent 0 to 5	**Alive in five** 1 more 1 less Composition Conceptual subitising to 5	**Mass & Capacity** Compare mass Find a balance Explore capacity Compare capacity	**Growing 6, 7, 8** Find 6, 7 and 8 Represent 6, 7 and 8 1 more 1 less Composition of 6, 7 and 8	**Growing 6, 7, 8** Make pairs-odd and even Double to 8 (find a double) Double to 8 (make a double) Combine 2 groups Conceptual subitising	**Length, Height & Time** Explore length Compare length Explore height Compare height
Counting and cardinality	Composition of 5	Composition using Hungarian Number Pattern	Comparison of quantities	Counting beyond 20	More than/less than

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Spring 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Length, Height & Time Talk about time Order and sequence time	**Building 9 & 10** Find 9 and 10 Compare numbers to 10 Represent 9 and 10 Conceptual subitising to 10 1 more	**Building 9 & 10** 1 less Composition to 10 Bonds to 10 (2 parts) Make arrangements of 10 Bonds to 10 (3 parts)	**Building 9 & 10** Doubles to 10 (find a double) Doubles to 10 (make a double) Explore even and odd Consolidation based on end of unit assessments	**Exploring 3d Shapes** Recognise and name 3-D shapes Find 2-D shapes within 3-D shapes Use 3-D shapes for tasks 3-D shapes in the environment	**Exploring 3d Shapes** Identify more complex patterns Copy and continue patterns Patterns in the environment
Composition of 7	Doubling	Sorting odd/even numbers	Counting and Cardinality	Subitising	Composition of 5

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Summer 1

Week 1	Week 2	Week 3	Week 4	Week 5
To 20 & Beyond Build numbers beyond 10 (10-1) Continue patterns beyond 10 (10-13) Build numbers beyond 10 (14-20) Continue patterns beyond 10 (14-20)	**To 20 & Beyond** Continue patterns beyond 10 (14-20) Verbal counting beyond 20 Verbal counting patterns	**How Many Now?** Add more How many did I add? Take away How many did I take away?	**Manipulate, Compose & Decompose** Select shapes for a purpose Rotate shapes Manipulate shapes Explain shape arrangements Compose shapes	**Manipulate, Compose & Decompose** Decompose shapes Copy 2-D shape pictures Find 2-D shapes within 3-D shapes
Composition of 6,7,8,9	Comparison of numbers – more and fewer	Subitising on a Rekenrek	Comparison of numbers – equal, more and fewer	Counting beyond 20

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Summer 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Sharing & Grouping Explore sharing Sharing Explore grouping Grouping	**Sharing & Grouping** Even and odd sharing Play with and build doubles Consolidation Identify units of repeating patterns	**Visualise, Build & Map** Create own pattern rules Explore own pattern rules Replicate and build scenes and constructions Visualise from different positions Describe positions	**Visualise, Build & Map** Give instructions to build Explore mapping Represent maps with models Create own maps from familiar places	**Visualise, Build & Map** Create own maps and plans from story situations Consolidation	**Making Connections** Deepen understanding Patterns and relationships Consolidation & transition	**Consolidation based on end of unit assessments**
Patterns within numbers to 10	Automatic recall	Understanding of numbers to 10	X	X	X	X