



Reception Maths Long Term Overview New White Rose Schemes

This overview is designed to run alongside the New Reception White Rose Schemes of Learning found [here](#). The scheme, which is broken into blocks, has been mapped across the academic year and reflects the content covered in the schemes of learning. These long-term overviews show the block and the small steps which have been plotted into specific weeks. There is also the vocabulary that should be taught, which matches the vocabulary progression documents available in the Maths area of ReachIn.

Within certain weeks, there is also reference to applicable Numberblocks videos that can be used to help facilitate children's understanding of early number. A link to these videos can be found [here](#). There are also linkable text listed for each block.

Consolidation weeks have also been put in at certain times to accommodate any revisiting of content already taught or as buffers for if and when units overrun due to AFL/trips etc. They also provide you with flexibility should you want to dedicate more time to specific focuses. This document is also fully editable so topics can be moved around or lengthened if necessary and to accommodate different term lengths. This also allows topics to be moved to coincide with wider curriculum themes that are being taught throughout the year.

Small steps for the whole year have been mapped but vocabulary and linkable texts will be updated as the year progresses, and updated schemes are released.

Maths Long-term overview Reception

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Block	Getting to know you	Getting to know you	1. Match, sort and compare	1. Match, sort and compare	2. Talk about measures and Patterns	2. Talk about measures and Patterns	Consolidation
Small Steps	Baseline and transition Key times of the day Positional language Where do things belong ETC	Baseline and transition Key times of the day Positional language Where do things belong ETC	1) Match objects 2) Match pictures and objects 3) Identify a set	4) Sort objects to a type 5) Explore sorting techniques 6) Creating sorting rules 7) Compare amounts	1) Compare size 2) Compare mass 3) Compare capacity	4) Explore simple patterns 5) Copy and continue simple patterns 6) Create simple patterns	This week can be used to consolidate learning the children struggled with during the autumn term or revisit and extend concepts already taught This week could also act as buffer for any units that needed to be extended due to AFL or can be used to start the next half terms content.
Number Blocks Videos							
Linkable Texts			<i>A Pair of Socks</i> by Stuart J. Murphy <i>Seaweed Soup</i> by Stuart J. Murphy <i>The Button Box</i> by Margarett S. Reid <i>Beep Beep, Vroom Vroom!</i> by Stuart J. Murphy	<i>A Pair of Socks</i> by Stuart J. Murphy <i>Seaweed Soup</i> by Stuart J. Murphy <i>The Button Box</i> by Margarett S. Reid <i>Beep Beep, Vroom Vroom!</i> by Stuart J. Murphy	<i>Where's My Teddy?</i> by Jez Alborough <i>It's the Bear!</i> by Jez Alborough <i>The Blue Balloon</i> by Mick Inkpen <i>Dear Zoo</i> by Rod Campbell <i>My First Book of Patterns</i> by Bobby and June George <i>We're Going on a Bear Hunt</i> by Michael Rosen <i>A-B-A-B-A – A Book of Pattern Play</i> by Brian P. Cleary	<i>Where's My Teddy?</i> by Jez Alborough <i>It's the Bear!</i> by Jez Alborough <i>The Blue Balloon</i> by Mick Inkpen <i>Dear Zoo</i> by Rod Campbell <i>My First Book of Patterns</i> by Bobby and June George <i>We're Going on a Bear Hunt</i> by Michael Rosen <i>A-B-A-B-A – A Book of Pattern Play</i> by Brian P. Cleary	
Vocabulary (year group specific)			compare describe same as different match identical more than less than equal sort sorting recognise	compare describe same as different match identical more than less than equal sort sorting recognise	mass compare measure weight heavy, heavier, heaviest light, lighter, lightest capacity compare measure full empty half full nearly full	pattern copy continue repeat construct/create	

					nearly empty tall thin narrow wide shallow		
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Autumn 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Block	3. It's me 1,2,3!	3.It's me 1,2,3!	4. Circles and triangles	5. 1,2,3,4,5	5. 1,2,3,4,5	6. Shapes with 4 sides	Consolidation
Small Steps	1) Find 1, 2 and 3 2) Subitise 1, 2 and 3 3) Represent 1, 2 and 3	4) 1 more 5) 1 less 6) Composition of 1, 2 and 3	1) Identify and name circles and triangles 2) Compare circles and triangles 3) Shapes in the environment 4) Describe position	1) Find 4 and 5 2) Subitise 4 and 5 3) Represent 4 and 5	4) 1 more 5) 1 less 6) Composition of 4 and 5 7) Composition of 1-5	1) Identify and name shapes with 4 sides 2) Combine shapes with 4 sides 3) Shapes in the environment 4) My day and night	This week can be used to consolidate learning the children struggled with during the autumn term or revisit and extend concepts already taught This week could also act as buffer for any units that needed to be extended due to AFL or can be used to start the next half terms content. You could also extend my day and night into this week if you wanted to do an entire week on Shapes with 4 sides. You could also spend additional time on describing position.
Number Blocks Videos	S1 Episodes 1 (One) S1 Episodes 2 (Another One) S1 Episodes 3 (Two) S1 Episodes 4 (Three) S1 Episodes 5 (One, Two, Three!) S1 Episode 8 (Three Little Pigs)	S1 Episodes 1 (One) S1 Episodes 2 (Another One) S1 Episodes 3 (Two) S1 Episodes 4 (Three) S1 Episodes 5 (One, Two, Three!) S1 Episode 8 (Three Little Pigs)		S1 Episode 6 (Four) S1 Episodes 7 (Five) S1 Episodes 9 (Off We Go!)	S1 Episode 6 (Four) S1 Episodes 7 (Five) S1 Episodes 9 (Off We Go!) S1 Episodes 2 (Another One) S3 Episode 9 (Peekaboo!) Compares numbers to 10 but can be used to 5.	S3 Episode 16 (Flatland)	
Linkable texts	<i>Anno's Counting Book</i> by Mitsumasa Anno <i>How to Count to One</i> by Caspar Salmon <i>Goldilocks and the Three Bears</i> <i>The Gingerbread Man</i> <i>A Squash and a Squeeze</i> by Julia Donaldson <i>The Three Billy Goats Gruff</i>	<i>Anno's Counting Book</i> by Mitsumasa Anno <i>How to Count to One</i> by Caspar Salmon <i>Goldilocks and the Three Bears</i> <i>The Gingerbread Man</i> <i>A Squash and a Squeeze</i> by Julia Donaldson <i>The Three Billy Goats Gruff</i>	<i>Circle, Triangle, Elephant! A Book of Shapes and Surprises</i> by Kenji Oikawa and Mayuko Takeuchi <i>Triangle</i> by Mac Barnett and Jon Klassen <i>Shapes, Shapes, Shapes</i> by Tana Hoban <i>We're Going on a Bear Hunt</i> by Michael Rosen <i>Rosie's Walk</i> by Pat Hutchins	<i>Witches Four</i> by Marc Brown <i>Five Little Fiends</i> by Sarah Dyer <i>Pete the Cat and his Four Groovy Buttons</i> by Eric Litwin <i>Kipper's Birthday</i> by Mick Inkpen <i>The Very Hungry Caterpillar</i> by Eric Carle <i>Stella to Earth!</i> by Simon Puttock and Philip Hopman <i>Anno's Counting Book</i> by Mitsumasa Anno	<i>Witches Four</i> by Marc Brown <i>Five Little Fiends</i> by Sarah Dyer <i>Pete the Cat and his Four Groovy Buttons</i> by Eric Litwin <i>Kipper's Birthday</i> by Mick Inkpen <i>The Very Hungry Caterpillar</i> by Eric Carle <i>Stella to Earth!</i> by Simon Puttock and Philip Hopman <i>Anno's Counting Book</i> by Mitsumasa Anno	<i>Bear in a Square</i> by Stella Blackstone <i>Square</i> by Mac Barnett and Jon Klassen <i>Shapes, Shapes, Shapes</i> by Tana Hoban <i>Night Monkey, Day Monkey</i> by Julia Donaldson <i>The Fox in the Dark</i> by Alison Green	

Vocabulary (year group specific)	count count on counting forwards backwards numerals order/ordinal subitise compare different same as equal more less more than fewer/less than total altogether	count count on counting forwards backwards numerals order/ordinal subitise compare different same as equal more less more than fewer/less than total altogether part whole	similar different compare flat triangle circle curved straight long/short sides	over under between around through on into next to behind beneath on top of	counting forwards backwards numerals order/ordinal subitise compare different same as equal more less more than fewer/less than total altogether	counting forwards backwards compare different same as more less one more one less altogether how many add/plus take away/minus total altogether part whole	similar different compare flat square rectangle curved straight long/short sides corners	first next after before hour later minutes soon time today week yesterday day tomorrow morning afternoon evening night	
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Spring 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		
Block	7. Alive in Five	7. Alive in Five	8. Mass and capacity	9. Growing 6, 7, 8	9. Growing 6, 7, 8	10. Length, height, and time		
Small Steps	1) Introduce zero 2) Find 0 to 5 3) Subitise 0 to 5 4) Represent 0 to 5	5) 1 more 6) 1 less 7) Composition 8) Conceptual subitising to 5	1) Compare mass 2) Find a balance 3) Explore capacity 4) Compare capacity	1) Find 6, 7 and 8 2) Represent 6, 7 and 8 3) 1 more 4) 1 less 5) Composition of 6, 7 and 8	6) Make pairs-odd and even 7) Double to 8 (find a double) 8) Double to 8 (make a double) 9) Combine 2 groups 10) Conceptual subitising	1) Explore length 2) Compare length 3) Explore Height 4) Compare Height		
Number blocks videos	S3 Episode 5 (Zero) S1 Episode 6 (Four) S1 Episodes 7 (Five) S1 Episodes 9 (Off We Go!) S1 Episodes 2 (Another One)	S1 Episode 6 (Four) S1 Episodes 7 (Five) S1 Episodes 9 (Off We Go!) S3 Episode 9 (Peekaboo!) Compares numbers to 10 but can be used to 5.		S2 Episode 1 (Six) S2 Episode 2 (Seven) S2 Episode 3 (Eight)	S3 Episode 4 (Fruit Salad) S2 Episode 9 (Double Trouble) S4 Episode 4 (Mirror, Mirror)			
Linkable texts	Zero is the Leaves on the Tree by Betsy Franco None the Number by Oliver Jeffers Anno's Counting Book by Mitsumasa Anno I Spy Numbers by Jean Marzollo The Ugly Five by Julia Donaldson Five Small Stars by Elizabeth Matterson and Madge Bugden Room on the Broom by Julia Donaldson	Zero is the Leaves on the Tree by Betsy Franco None the Number by Oliver Jeffers Anno's Counting Book by Mitsumasa Anno I Spy Numbers by Jean Marzollo The Ugly Five by Julia Donaldson Five Small Stars by Elizabeth Matterson and Madge Bugden Room on the Broom by Julia Donaldson	Who Sank the Boat? by Pamela Allen Balancing Act by Ellen Stoll Walsh A Beach for Albert by Eleanor May	Handa's Surprise by Eileen Browne Sidney the Silly Who Only Eats 6 by M.W. Penn Six Dinner Sid by Inga Moore 1, 2, 3 to the Zoo by Eric Carle Kipper's Toybox by Mick Inkpen Quack and Count by Keith Baker Simon Sock by Sue Hendra and Paul Linnet Missing Mittens by Stuart J. Murphy Noah's Ark Double Dave by Sue Hendra Minnie's Diner by Dayle Ann Dodds Two of Everything by Lily Toy Hong Don't Forget the Bacon! by Pat Hutchins The Snail and the Whale by Julia Donaldson	Handa's Surprise by Eileen Browne Sidney the Silly Who Only Eats 6 by M.W. Penn Six Dinner Sid by Inga Moore 1, 2, 3 to the Zoo by Eric Carle Kipper's Toybox by Mick Inkpen Quack and Count by Keith Baker Simon Sock by Sue Hendra and Paul Linnet Missing Mittens by Stuart J. Murphy Noah's Ark Double Dave by Sue Hendra Minnie's Diner by Dayle Ann Dodds Two of Everything by Lily Toy Hong Don't Forget the Bacon! by Pat Hutchins The Snail and the Whale by Julia Donaldson			
Vocabulary (year group specific)	zero numerals order/ordinal subitise compare different same as equal more less more than	numerals same as equal less one less more one more more than fewer/less than total altogether	mass compare balance scale measure weight heavy, heavier, heaviest light, lighter, lightest	capacity compare measure full empty half full nearly full nearly empty tall thin narrow	compare combine groups altogether total part whole add/plus less one less taking away	compare combine groups altogether total part whole add/plus count on	compare measure length distance long(er)(est) big (er) (est) wide(r) narrow(er) closer further	compare measure height tall(er)(est) big (er) (est)

	fewer/less than total represent	represent part whole		wide shallow	more one more count on represent			
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Spring 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Block	10. Length, height and time	11. Building 9 & 10	11. Building 9 & 10	11. Building 9 & 10	12. Explore 3D Shapes	12. Explore 3D Shapes
Small Steps	5) Talk about time 6) Order and sequence time	1) Find 9 and 10 2) Compare numbers to 10 3) Represent 9 and 10 4) Conceptual subitising to 10	5) 1 more 6) 1 less 7) Composition to 10 8) Bonds to 10 (2 parts) 9) Make arrangements of 10	10) Bonds to 10 (3 parts) 11) Doubles to 10 (find a double) 12) Doubles to 10 (makes a double) 13) Explore odd and even	1) Recognise and name 3-D shapes 2) Find 2-D shapes within 3-D shapes 3) Use 3-D shapes for tasks 4) 3-D shapes in the environment	5) Identify more complex patterns 6) Copy and continue patterns 7) Patterns in the environment
Number block videos		S2 Episode 4 (Nine) S2 Episodes 5 (Ten) S3 Episode 9 (Peekaboo!)	S3 Episode 15 (Ten Again) S1 Episode 12 (The Whole of Me) S3 Episode 4 (Fruit Salad) S2 Episode 7 (Blast off)	S2 Episode 9 (Double Trouble) S4 Episode 4 (Mirror, Mirror) S2 Episodes 11 (Odd & Evens)		S4 Episode 2 (Pattern Palace)
Linkable texts						
Vocabulary (year group specific)	first next after later soon minute hour time today yesterday tomorrow day morning afternoon evening week	numerals order/ordinal subitise compare different same as equal more less more than fewer/less than total altogether	compare combine number bonds part whole less one less more one more total altogether add/plus	numerals number bonds compare different same as equal doubles odd even	similar different compare flat curved straight long/short corner Introduce some 3D shapes, such as sphere cone cube cuboid	pattern copy continue repeat construct/create

Summer 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Block	Consolidation week	13. To 20 and Beyond	13. To 20 and Beyond	14. How many now?	15. Manipulate, compose and decompose	15. Manipulate, compose and decompose
Small Steps	<p>This week can be used to consolidate learning the children struggled with during the spring term or revisit and extend concepts already taught</p> <p>This week could also act as buffer as there was a lot of content to cover in Spring so you may wish to cover it more slowly and therefore use this week for some of the small steps</p>	1) Build numbers beyond 10 (10-13) 2) Continue patterns beyond 10 (10-13) 3) Build numbers beyond 10 (14-20)	4) Continue patterns beyond 10 (14-20) 5) Verbal counting beyond 20 6) Verbal counting patterns	1) Add more 2) How many did I add? 3) Take away 4) How many did I take away?	1) Select shapes for a purpose 2) Rotate shapes 3) Manipulate shapes 4) Explain shape arrangements	5) Compose shapes 6) Decompose shapes 7) Copy 2-D shape pictures 8) Find 2-D shapes within 3-D shapes
Number block videos		S3 Episode 21 (Eleven) S3 Episode 22 (Twelve) S3 Episode 26 (Thirteen) S3 Episode 27 (Fourteen) S3 Episode 28 (Fifteen) S4 Episode 5 (Sixteen)	S4 Episode 7 (Seventeen) S4 Episode 8 (Eighteen) S4 Episode 10 (Nineteen) S4 Episode 11 (Twenty) S4 Episode 14 (I can count to 20)	S2 Episode 13 (The Two Tree) S2 Episode 14 (Numberblock Castle) S2 Episode 15 (Ten Green Bottles) S3 Episode 12 (Numberblock Rally) S1 Episode 14 (Holes)		
Linkable texts						
Vocabulary (year group specific)		numbers to 20 order/ordinal counting numeral digit one more backwards missing number continue patterns	numbers to 20 order/ordinal counting numeral digit one more backwards missing number continue patterns	order/ordinal counting more add/plus taking away/minus numeral digit bigger smaller total altogether In context of Maths stories: first then now	similar different compare rotate flat square triangle rectangle circle (Needs updating once schemes are released)	similar different compare rotate flat square triangle rectangle circle (Needs updating once schemes are released)

Summer 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Block	16. Sharing and grouping	16. Sharing and grouping	17. Visualise, build and map	17. Visualise, build and map	17. Visualise, build and map	18. Make connections	Consolidation
Small Steps	1) Explore sharing 2) Sharing 3) Explore grouping	4) Grouping 5) Even and odd sharing 6) Play with and build doubles	1) Identify units of repeating patterns 2) Create own pattern rules 3) Explore own pattern rules 4) Replicate and build scenes and constructions	5) Visualise from different positions 6) Describe positions 7) Give instructions to build	8) Explore mapping 9) Represent maps and models 10) Create own maps from familiar places 11) Create own maps and plans from story situations	1) Deepen understanding 2) Patterns and relationships	Consolidate content children have struggled with throughout the year or would benefit from revisiting. These weeks could also be used
Number block videos	S4 Episode 21 (The lair of share) S2 Episode 8 (Counting Sheep)	S2 Episode 9 (Double Trouble) S4 Episode 4 (Mirror, Mirror) S2 Episodes 11 (Odd & Evens)					
Linkable texts							
Vocabulary (year group specific)	share group sharing grouping equal fair unfair total altogether	half/halving share equal fair unfair total altogether odd even doubles doubling	pattern copy continue repeat construct/create over under between around through on into next to behind beneath on top of	pattern copy continue repeat construct/create over under between around through on into next to behind beneath on top of instructions build	map mapping between around on next to behind		Consolidate previously taught vocabulary in the context of the problems the children are solving. For instance, if they are solving problems around sharing items between different people consolidate language from Summer 2 Wk 1/2 (doubling, sharing and grouping)