



EYFS Reception Maths Long Term Plan Summer Term

Consolidating key skills: Subitising, counting, composition, sorting and matching, comparing and ordering

Week	White Rose Block	Number Focus	Space, Shape & Measure Focus	Numberblocks Links	Key Texts	Daily focus/ Enhancements Ideas
1	Phase 7 – To 20 and Beyond	Counting to 11 The eleven-ness of 11 Add to a number by counting on and take away from a number by counting back Building numbers beyond 10	Introduce 11 o'clock	S4 Episode 6 (Eleven)		Introduce 11 – Composition of 11 Sorting to 11 Composition of 11 10s frame-subitize Matching numbers to 11 10s frame- subitize making pairs

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						<p>Introduce the concept of 1 ten – make practically in different ways</p> <p>Introduce 11 as 1 ten and 1 one – make practically and relate each digit to its place value. Count forwards and backwards from different numbers Use 2 dice and add on from the first dice</p> <p>Number pattern to 20 Match picture to numeral 10 frame – fill to 10 and beyond Estimate group of objects 10 frame subtraction</p>
2	Phase 7 – to 20 and Beyond	<p>Counting to 12 The twelve-ness of 12</p> <p>Counting patterns beyond 10</p>	Introduce 12 o'clock	S4 Episode 7 (Twelve)		<p>Introduce 12– Composition of 12</p> <p>Sorting to 12 Composition of 12</p> <p>10s frame, -matching numbers to 12, 10s frame, making pairs, subitise</p> <p>Counting to 20 Missing numbers 0-20 Ordering numbers to 20 Race to 20 game Bingo with numbers to 20 Spot the mistake to 20</p>

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3	Phase 7 – to 20 and Beyond	Counting to 13 The thirteen-ness of 13 Counting to 14 The fourteen-ness of 14	Spatial reasoning	S4 Episode 11 (Thirteen) S4 Episode 12 (Fourteen) (could introduce Ten's Place in prep for next week)		Introduce 13– Composition of 13/14 Sorting to 13/14 Composition of 13/14 10s frame, -matching numbers to 13/14, 10s frame, making pairs, subitise Counting to 13/14 The thirteen-ness of 13, fourteen-ness of 14 Find my match wth shapes Match and fill Replicate the model Tangrams
4	Phase 8 – First, then and now	Counting to 15 The fifteen-ness of 15 Adding more Ordering numbers Adding more (1) Adding more (2)		S4 Episode 13 (Fifteen) S4 Episode 14 (Tween Scenes) S4 Episode 15 (Step Squads) S4 Episode 13 (Fifteen) S4 Episode 15 (Step Squads)	Mr Gumpy's outing	Introduce 15 as 1 ten and 5 ones. Explain that it has an irregular name (fifteen not fiveteen) Recap the equals sign (balancing bridge) Putting 3 numbers in order to 20 Track game – counting on Adding more to a number (1) Adding more to a number (2) First, then, now stories

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				S5 Episode 1 (Fifteen Minutes of Fame)		
5	Phase 8 – First, then, now	Counting to 16 The sixteen-ness of 16 Taking away – first, then, now stories to practise taking away in similar contexts		S5 Episode 5 (Sixteen) S5 Episode 6 (Square Club)	Kipper’s toybox – Mick inkpen	Introduce 16 as 1 ten and 6 ones. Recap the equals sign (balancing bridge) Put 3 numbers in order, subitise, composition of numbers Taking away with pebbles Taking away – toybox Ten green bottles – taking away Taking away – unknown then Pass it on game
6	Phase 8 – First, then, now	Counting to 17 The seventeen-ness of 17 Number bonds to 10	Spatial awareness (2) Awareness that shapes can be separated and combined to make new shapes	S5 Episode 7 (Seventeen) S5 Episode 9 (Loop the Loop – up to 18)	Grandpa’s quilt	Introduce 17 as 1 ten and 7 ones. Recap the equals sign (balancing bridge) Put 3 numbers in order, subitise, composition of numbers Number bonds to 5 then 10 Make new shapes with right angles triangles Make new shapes with squares Make new shapes with tangrams

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						Pattern blocks
7	Phase 9 – Find my pattern	Counting to 18 The eighteenthness of 18 Doubling – ‘twice as many’ Spot the difference		S5 Episode 8 (Eighteen) Numberblocks S 2 Ep 8 Double Trouble	Double Trouble - Nrich This is the Story of Alison Hubble - Allan Ahlberg Two of Everything – Lilly Hong Double Dave – Sue Hendra Double the Ducks – Stuart J Murphy	Introduce 18 as 1 ten and 8 ones. Recap the equals sign (balancing bridge) Put 3 numbers in order, subitise, composition of numbers Doubling Play snap or matching pairs games using pictorial playing cards or dot cards. Building numbers using the pair wise patterns on 10 frames helps the children to see the doubles Match my quantity – objects Double dice game Double barrier game Spot the difference – on numberlines 0-20
8	Phase 9 – Find my pattern	Counting to 19 The nineteenthness of 19 Sharing and grouping		S5 Episode 10 (Nineteen)	The Doorbell rang – Pat Hutchins	Introduce 19 as 1 ten and 9 ones. Recap the equals sign (balancing bridge) Put 3 numbers in order, subitise, composition of numbers Dots – what can you see? Subitising Sharing (1) Teddy bears picnic – sharing loose parts (plates etc) Counter arrangements – grouping (1)

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						Countier arrangements (2)
9	Phase 9 – Find my pattern	Counting to 20 The twenty-ness of 20 Even and odd	Places and models can be replicated and need to experience looking at these from different positions. Positional language to describe where objects are in relation to other items	S5 Episode 11 (Twenty) Numberblocks Series 2 Episode 11 Odds and Evens	One odd day	<p>Introduce 20 as 2 tens and 0 ones. Recap the equals sign (balancing bridge) Put 3 numbers in order, subitise, composition of numbers</p> <p>Even and odd numbers Grouping children or objects in to groups – does everyone/object have a partner? Exploring numicon odd and even numbers Explore if small quantities are odd or even by sharing into 2 groups and by making pairs. Prompt them to recognise that sometimes there is one left over. Odd and even structure on the number shapes and by building pair-wise patterns on the 10 frames. Malke odd and even pictures Beambag subtract from 10 Beanbag subtract from 7</p> <p>Digging deeper – find half, making equal groups</p> <p>Recreate the places they have visited e.g.walk in local areas, outdoors – describe where things are in relation to others Arrange sets of objects in different ways – add a barrier.</p>

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10	Phase 10 – On the Move	Deepening understanding – problem solving linked to stories			Billy's Bucket – Kes Gray Harry and his bucketful of dinosaurs Mr Gumpy's outing	Consolidate subtraction from 10 – Harry and his bucket ful of dinosaurs – subtracting My Gumpy's piting – Pronlem solving – counting legs How many legs ? – problem solving Buildiong the strongest bridge – length Making boats – capacity
11	Phase 10 – On the Move	Consolidate numbers to 20	Patterns and relationships		Ants Rule The Long and Short of it – Bob Barner Pattern Fish – Trudy Harris Pattern Bugs - Trudy Harris The Leopard's Drum – Jessica Souhami Jamil's Clever Cat – Fiona French	Opportunities to explore and investigate relationships between numbers and shapes. Classroom resources based around a standard unit such as Cuisenaire rods, pattern blocks and the unit construction blocks are particularly good for exploring these relationships. Children should also continue to copy, continue to create a widening range of repeating patterns and symmetrical constructions. Draw children's attention to patterns in stories from a range of cultures. Dice doubles , domino doubles, numicaon doubles, 10 frame arrangements Cuisinaire rods -staircases Pattern bug and pattern arrangements

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12	Phase 10 – On the Move	Consolidate numbers to 20	Spatial Reasoning – Making maps to represent places		Little Red Riding Hood	How many counters? Number bonds to 10 Making maps from stories Making maps – journeys to school Making maps- obstacle course X marks the spot Designing mazes
13	Consolidation					
14	Consolidation					
Vocabulary						