Long term maths plan 2026-2027

Walverden Primary School

Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers. By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives, including small pebbles and tens frames for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes.	
Number ELG	**Numerical patterns ELG**
Children at the expected level of development will: Have a deep understanding of number to 10, including the composition of each number - Subitise (recognise quantities without counting) up to 5 - Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	Children at the expected level of development will: - Verbally count beyond 20, recognising the pattern of the counting system - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity - Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
Considerations for planning	
• Although Shape, Space and Measure has been removed from the ELG's, planning should ensure that 'the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures'. • Throughout mathematical planning, subitising needs to be embedded from the very early experiences of number. Consider the resources that we have available such as dice, dot cards, tens frames and regular and irregular representations of number. • Children need regular opportunities to practice automatic recall of number bonds to 5 and 10 and also double facts. • Consider the resources available that will support the greater emphasis on comparing quantities, such as five and tens frames, concrete objects and regular and irregular representations of number. • Consideration will also need to be given to how children can develop their understanding of numerical patterns, for example odd and even numbers and double facts.	

Reception Guidance

This year education and Early Years provision has changed dramatically. Many young children will have missed out on almost a year in nursery in high quality provision as well as not being able to attend home based settings or pre-schools and playgroups.

Here at WRM we full understand the need for high quality environments and meaningful interactions with staff and each other. Our EY ethos is embedded in the Characteristics of Effective Learning and seeks to support young children's development. We also understand what it is like to teach, lead and manage in Early Years and how to support children to progress through play.

Our adapted overviews support the ethos of the EYFS whilst at the same time enabling teachers to create a mathematically rich curriculum.

The updated Reception Scheme underpins the new Educational Programme for Mathematics (DFE July 2020) and will support you to deliver a curriculum that embeds mathematical thinking and talk. The updated scheme builds on the content of the previous scheme and allows for key mathematical concepts to be revisited and developed further across the year.

The new scheme has been divided into 3-weekly phases which provide far more opportunities to develop the understanding of shape, measure and spatial thinking.

The scheme does not focus solely on either the existing or the new ELGs but the skills needed for either set will be included as part of a broad early maths curriculum.

Key Language for Teachers

Cardinal - The number that indicates how many there are in a set.

Classification – The identification of an object by specific attributes, such as colour, texture, shape or size.

Conservation (of number) – The recognition that the number stays the same if none have been added or taken away.

Numeral - The written symbol for a number; e.g. 3, 2, 1

Ordinal - A number denoting the position in a sequence e.g. 1st, 2nd, 3rd, etc or page 1, page 2, page 3…

Partition - Separate a set into two or more subsets e.g. Partition a set of socks into plain and patterned.

Subitise - Instantly recognise a small quantity, without having to count how many there are.

Number - Number can be:

- a count of a collection of items e.g. three boxes,
- a measure e.g. of length or weight, or
- a label e.g. the number 17 bus

Quantity - The amount you have of something e.g. a cup of flour, three boxes, half an hour.

Important Links and Websites

The NCETM Early Years Area

The aim of this section is to help teachers and practitioners in Early Years settings have a clearer understanding of how children build early number sense, and to provide tips on how best to support that learning.
https://www.ncetm.org.uk/resources/51439

Number Blocks

Numberblocks, first broadcast in January 2017, is a pre-school BBC television series aimed at introducing children to early number.
Snappy animation and loveable characters combine with engaging storylines to gently introduce concepts of number to support early mathematical understanding.



https://www.bbc.co.uk/cbeebies/shows/numberblocks

NRICH

The NRICH Early Years resources aim to further develop young children's natural problem-solving abilities in the context of mathematics.
https://nrich.maths.org/early-years

Learning Trajectories

[LT]² is a web-based tool for early childhood educators to learn about how children think and learn about mathematics and how to teach mathematics to young children (birth to age 8).
https://www.learningtrajectories.org/

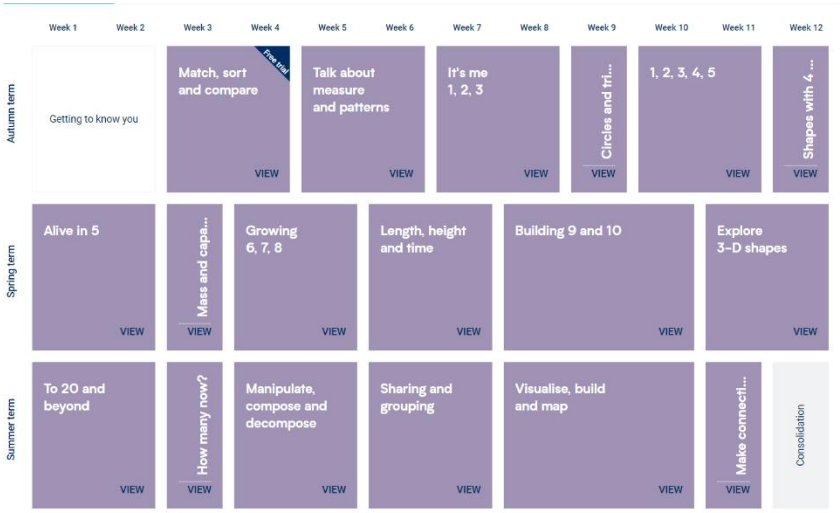
Early Math Collaborative

The Erikson Institute Early Math Collaborative is transforming the understanding, teaching and learning of early mathematics from the ground up.
https://earlymath.erikson.edu/

EEF Improving Mathematics in the EY and KS1

This guidance report summarises the latest research into early maths education and offers 5 practical recommendations for teachers to support the learning of children aged 3-7.
https://educationendowmentfoundation.org.uk/tools/guidance-reports/early-maths/

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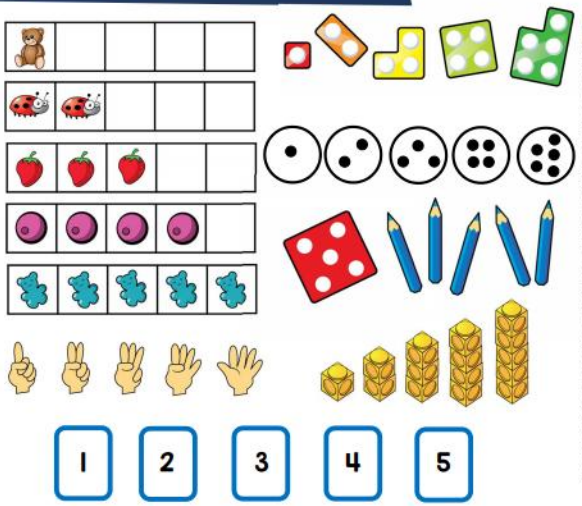
Reception - Notes and guidance

Autumn Progression

Number and Place Value	Numbers to 5	One, two, three
		Four
		Five
Addition and Subtraction	Sorting	Sorting into groups
Number and Place Value	Comparing groups	Comparing quantities of identical objects
		Comparing quantities of non-identical objects
Addition and Subtraction	Change within 5	One more
		One less
Measurement	Time	My day

Reception – Notes and Guidance

Key Representations



Notes and Guidance

When teaching counting, consider the counting principles at all times.
At this early stage, ensure that children are counting real-life objects. They could start by subitising and counting objects that are identical before moving on to subitising and counting objects that have slight differences such as size or colour. Make sure that the objects are of the same type e.g. apples, cubes, books.

Encourage children to put objects into a line when counting so they have a clear start and end point.
The five frame can be used to support children to subitise and compare numbers within 5

Numerals may be introduced to children but they are not expected to write them at this stage. They could use informal jottings and/or drawing to record their thinking.

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Autumn Term				
Week	**White Rose Block**	**Main focus**	**Key concepts and additional focus**	**Numberblocks links**
	Getting to know you	Teacher assessment and baseline Gov NFER baseline The assessment consists of: mathematical tasks, early number, early calculation (early addition and subtraction), mathematical language, early understanding of pattern.		
	Getting to know you			
	Match, sort and compare	Match objects Match pictures and objects Identify a set	Same/different	

	Match, sort and compare	Sort objects to a type Explore sorting techniques Create sorting rules https://whiterosemaths.com/homelearning/early-years/week-1/	Same/different, colour, size, shape Sorting into groups	Numberblocks series 1 ep10 https://www.bbc.co.uk/iplayer/episode/b08cr24d/numberblocks-series-1-how-to-count?seriesId=b08bzg8q
	Match, sort and compare	Compare amounts https://whiterosemaths.com/homelearning/early-years/week-2/	Equal, symbol, equal, more then, fewer than Counting by rote Counting out loud, clapping and counting, stamping, drumming etc Counting rhymes and songs Using fingers to represent numbers	
	Talk about measure and patterns	Compare size, mass and capacity https://whiterosemaths.com/homelearning/early-years/week-3/	Large/small Big/little Short/tall Tallest/shortest	
	Talk about measure and patterns	Exploring simple pattern Copy and continue simple patterns Create simple patterns	Make simple patterns Exploring more complex patterns	https://www.bbc.co.uk/iplayer/episode/b0bmkj57/numberblocks-series-3-building-blocks?seriesId=b0bls7vy
	It's me 1.2.3!	Find 1,2,3 Subitise 1,2,3 Representing 1,2,3	Equal/not equal Circle 1p	Numberblocks-s1 episode 1 (one) and NCETM ppt. https://www.bbc.co.uk/iplayer/episode/b08bzzns/numberblocks-series-1-one

	It's me 1.2.3!	1 more 1 less Composition of 1,2,3	Addition 2p	Numberblocks- s1 Episodes 2 (another one) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08c001f/numberblocks-series-1-another-one Numberblocks- s1 episodes 3 (two) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08bzgt8/numberblocks-series-1-two https://www.bbc.co.uk/iplayer/episode/m000t8kn/numberblocks-series-5-twoland Numberblocks- s1 episodes 4 (three) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08bzgxx/numberblocks-series-1-three Numberblocks- s1 episode 5 (one, two, three!) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08bzh11/numberblocks-series-1-one-two-three Numberblocks- s1 episode 6 (four) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08d61cv/numberblocks-series-1-four?seriesId=m000t16j https://www.bbc.co.uk/iplayer/episode/b0bp2qlb/numberblocks-series-3-flatland
	Circles and triangles	Identify and name circles and triangles Compare circles and triangles Shapes in the environment Spatial awareness/Position	Circles Triangles Positional language	
	1,2,3,4, 5	Find 4 and 5 Subitise 4 and 5	Square and rectangles	
	1,2,3,4, 5	Represent 4 and 5 1 more 1 less https://www.bbc.co.uk/iplayer/episode/p0779pkp/numberblocks-numbersongs-five-little-boats?seriesId=b08bzg8q	Pentagons More Less More than Less than Greater than Fewer than	Numberblocks- number 5 https://www.bbc.co.uk/iplayer/episode/b08d630h/numberblocks-series-1-five Numberblocks- s1 episodes 8 (3 little pigs) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08cqtk0/numberblocks-series-1-three-little-pigs Numberblocks s1 episode 9 (off we go!) and NCETM ppt https://www.bbc.co.uk/iplayer/episode/b08cr0y7/numberblocks-series-1-off-we-go
	1,2,3,4, 5	Composition of 4 and 5 Composition of 1-5	One more/one less	Series 1 Ep13

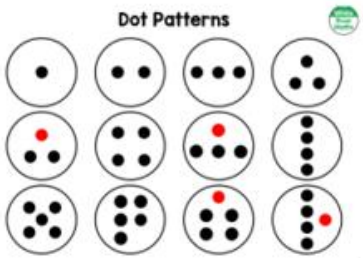
			Together Total	https://www.bbc.co.uk/iplayer/episode/b08cr24d/numberblocks-series-1-how-to-count
	Shapes with 4 sides	Identifying and name shapes with 4 sides Combine shapes with 4 sides	Square Rectangle Oblong Tessellate	
	Shapes with 4 sides	Shapes in the environment My day and night	Morning Evening Day Night	

SPRING TERM

Reception - Notes and guidance

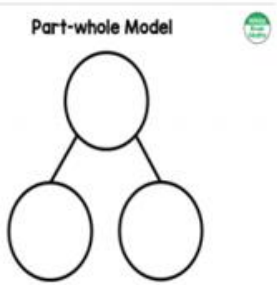
Spring Progression

Addition and Subtraction	Numbers to 5	→ Introducing zero
		→ Number bonds to 5
Number and Place Value	Numbers to 10	→ Counting to 6, 7 and 8
		→ Counting to 9 and 10
		→ Comparing groups up to 10
Addition and Subtraction	Addition to 10	→ Combining two groups to find the whole
		→ Number bonds to 10 – ten frame
		→ Number bonds to 10 – part-whole model
Geometry	Shape and space	→ Spatial awareness
		→ 3-D shapes
		→ 2-D shapes

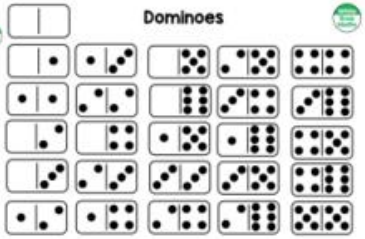












SPRING TERM				
Week	**White Rose Block**	**Main focus**	**Key concepts and possible additional focus**	**Numberblocks links**
	Alive in five	Introduce zero Find 0-5 Subitise 0-5 Represent 0-5 https://www.bbc.co.uk/iplayer/episode/p07795jn/numberblocks-numbersongs-five-little-speckled-frogs	5 Currant buns Addition/subtraction of 1 Number bonds to 5 Numicon balance Addition and subtraction of numbers to 5 Number bonds to 5	Series 3- ep 5 zero https://www.bbc.co.uk/iplayer/episode/b0blsx34/numberblocks-series-3-zero?seriesId=b08bzg8q Number blocks The whole of me https://www.bbc.co.uk/iplayer/episode/b08dr1l3/numberblocks-series-1-the-whole-of-me?seriesId=m0005y7k Numberblocks- holes https://www.bbc.co.uk/iplayer/episode/b08dmjsk/numberblocks-series-1-holes?seriesId=b0bls7vy Once upon a time https://www.bbc.co.uk/iplayer/episode/b0bls8yj/numberblocks-series-3-once-upon-a-time
	Alive in five	1 more/1 less Composition Conceptual subitising to 5 https://www.bbc.co.uk/iplayer/episode/p077rkj2/numberblocks-numbersongs-hen-house-hop		Numberblocks- stampolines https://www.bbc.co.uk/iplayer/episode/b08dnngm/numberblocks-series-1-stampolines Numberblocks- the terrible twos https://www.bbc.co.uk/iplayer/episode/b08dmhm6/numberblocks-series-1-the-terrible-twos Numberblocks- hide and seek https://www.bbc.co.uk/iplayer/episode/b08dmn88/numberblocks-series-1-hide-and-seek?seriesId=m0005y7k Numberblocks- express https://www.bbc.co.uk/iplayer/episode/b0blss0t/numberblocks-series-3-the-numberblocks-express?seriesId=m000t16j
	Mass and capacity	Comparing mass- heavier/lighter than Find a balance Compare capacity- full and empty Measuring capacity Measuring ingredients	There's a hole in my bucket Mary Poppin's bag Who sank the boat	Numberblocks- fruit salad https://www.bbc.co.uk/iplayer/episode/b0blsv9r/numberblocks-series-3-fruit-salad?seriesId=m0005y7k
	Growing 6,7,8	Find 6,7 and 8 Represent 6,7, and 8 1 more	Meet 6 Counting 1-6	Number blocks- six https://www.bbc.co.uk/iplayer/episode/b08pgksd/numberblocks-series-2-six?seriesId=b08bzg8q

		1 less Composition of 6,7 and 8 https://www.bbc.co.uk/iplayer/episode/p07798v4/numberblocks-numbersongs-who-has-more	Subitising (dice patterns) Six Dinner Six Double 3 Ladybird spots Hexagon Introduce tens frames Exploring equivalent ways to represent to 6 Portioning 6 into equal groups Factors of 6 7 is one more than 6 Counting 1-7 Ways to make 7- can you share it? 7 days a week Counting 1-8 Number bonds within Counting 1-8 8 is one more than 7 Subitising 8	Numberblocks- counting sheep https://www.bbc.co.uk/iplayer/episode/b08q4g7y/numberblocks-series-2-counting-sheep?seriesId=b08bzg8q Numberblocks seven Meet seven https://www.bbc.co.uk/iplayer/episode/b08pgqt4/numberblocks-series-2-seven?seriesId=m000t16j Numberblocks- fluffies https://www.bbc.co.uk/iplayer/episode/b08r3p2x/numberblocks-series-2-fluffies?seriesId=m0005y7k Numberblocks eight- meet eight https://www.bbc.co.uk/iplayer/episode/b08pgvmb/numberblocks-series-2-eight?seriesId=b08bzg8q What's the difference- series 3
	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 https://www.bbc.co.uk/iplayer/episode/p07798gg/numberblocks-numbersongs-scoop-a-scoop	Doubling (1,2,4,8) and halving Portioning 8 into equal groups	Numberblocks- double trouble https://www.bbc.co.uk/iplayer/episode/b08q4jkq/numberblocks-series-2-double-trouble Octoblock to the rescue series 3 https://www.bbc.co.uk/iplayer/episode/b0bn5hgn/numberblocks-series-3-octoblock-to-the-rescue?seriesId=b08bzg8q Number blocks- just add one https://www.bbc.co.uk/iplayer/episode/b08q39b4/numberblocks-series-2-just-add-one
	Length, height and time	Explore length Comparing length- longer/shorter Explore height Comparing height- taller/shorter	Jasper's beanstalk- time/height	

	Length, height and time	Talk about time Order and sequence time	5 minutes peace What's the time Mr wolf	
	Building 9 and 10	Find 9 and 10 Compare numbers to 10 Represent 9 and 10 Conceptual subitising to 10 1 more 1 less Composition to 10 Bonds to 10 (2 parts) Make arrangements of 10 Bonds to 10 (3 parts) https://www.bbc.co.uk/iplayer/episode/p0779pxy/numberblocks-numbersongs-days-of-spring https://www.bbc.co.uk/iplayer/episode/p0779868/numberblocks-numbersongs-zoom-zoom-zoom	The structure of square numbers (4 and 9) Portioning and combining 9 Portioning 9 into 3 equal groups Portioning is the inverse of combining Meet ten Counting 1-10 10 ones are equivalent to one 10 Now we are 6-10 series 3 Subtracting 1 Counting 1-10 Counting down 10-1 Farmer Pete	Numberblocks series 2 -nine https://www.bbc.co.uk/iplayer/episode/b08phbzc/numberblocks-series-2-nine?seriesId=b0bls7vy Number blocks- the three threes https://www.bbc.co.uk/iplayer/episode/b08q4mkf/numberblocks-series-2-the-three-threes Hiccups series 3 https://www.bbc.co.uk/iplayer/episode/b0bmkmb3/numberblocks-series-3-hiccups Numberblocks- blockzilla https://www.bbc.co.uk/iplayer/episode/b0blsqtz/numberblocks-series-3-blockzilla?seriesId=b0bl5v3r 10p numberblocks series 2- ten https://www.bbc.co.uk/iplayer/episode/b08phr1g/numberblocks-series-2-ten?seriesId=b08bzg8q Number blocks blast off https://www.bbc.co.uk/iplayer/episode/b08q3zx7/numberblocks-series-2-blast-off?seriesId=b0bls7vy Numberblocks ten green bottles https://www.bbc.co.uk/iplayer/episode/b08r41qb/numberblocks-series-2-ten-green-bottles Numberblocks-now we are 6 https://www.bbc.co.uk/iplayer/episode/b0bmkb6k/numberblocks-series-3-now-we-are-six-to-ten?seriesId=m000t16j
	Building 9 and 10	Doubles to 10 (find) Doubles to 10 (make) Explore odd and even	Double Same Even Odd	Numberblocks- odd https://www.bbc.co.uk/iplayer/episode/b08r2l4d/numberblocks-series-2-odds-and-evens
	Explore 3D shapes	Recognise and name 3D shapes Find 2D shapes within 3D shapes Use 3D shapes for tasks 3D shapes in the environment		Numberblocks- building blocks https://www.bbc.co.uk/iplayer/episode/b0bmkj57/numberblocks-series-3-building-blocks

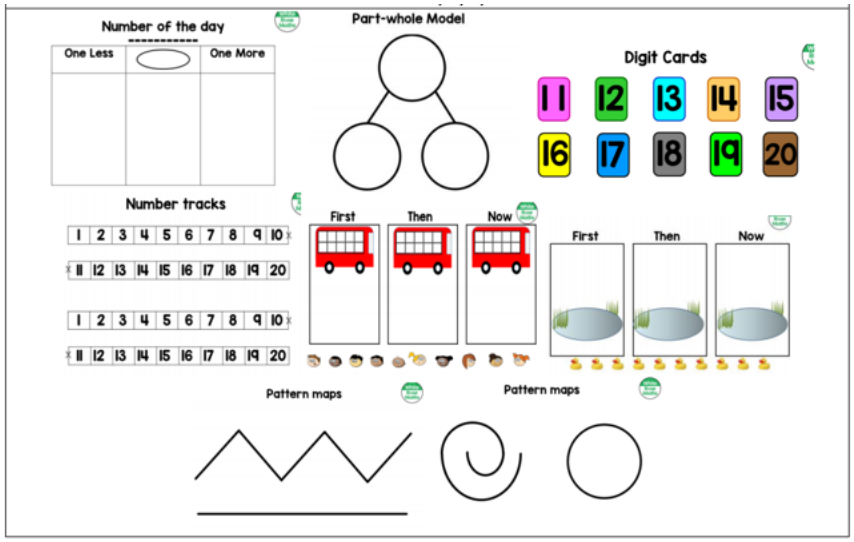
	Explore 3D shapes	Identify more complex patterns Copy and continue patterns Patterns in the environment.	What's the difference	Numberblocks series 3 pattern palace https://www.bbc.co.uk/iplayer/episode/b0bp2t8d/numberblocks-series-3-pattern-palace?seriesId=b0bl5v3r Numberblocks- what's the difference https://www.bbc.co.uk/iplayer/episode/b0bn57fv/numberblocks-series-3-whats-the-difference?seriesId=b08bzg8q
	Consolidation	https://whiterosemaths.com/homelearning/early-years/spring-consolidation-week-1/ https://www.bbc.co.uk/iplayer/episode/p077rhkv/numberblocks-numbersongs-how-many-passengers?seriesId=b0bls7vy	Hopscotch numeral recognition Snap with numeral and picture cards Ten frame fill game Bean bag throw game	Numberblocks- ten again https://www.bbc.co.uk/iplayer/episode/b0bn5k6h/numberblocks-series-3-ten-again?seriesId=b0bl5v3r
	Consolidation	https://whiterosemaths.com/homelearning/early-years/spring-consolidation-week-2/ https://www.bbc.co.uk/iplayer/episode/p077rk5n/numberblocks-numbersongs-lets-all-draw-numbers	Who has more comparison game Combining 2 groups Treasure hunt to 10 Composition of 8 Composition of 7	Numberblocks-peekaboo https://www.bbc.co.uk/iplayer/episode/b0bmkk2p/numberblocks-series-3-peekaboo?seriesId=m0005y7k Octoblock to the rescue series 3 https://www.bbc.co.uk/iplayer/episode/b0bn5hgn/numberblocks-series-3-octoblock-to-the-rescue?seriesId=b08bzg8q Numberblocks- what's my number https://www.bbc.co.uk/iplayer/episode/m000t2pb/numberblocks-series-5-whats-my-number?seriesId=b08bzg8q
	Consolidation	https://whiterosemaths.com/homelearning/early-years/spring-consolidation-week-3/	Trellis track game Composition of 9 Composition of 10 What do you notice? estimation	Numberblocks- five and friends https://www.bbc.co.uk/iplayer/episode/b0bn5dz7/numberblocks-series-3-five-and-friends Numberblocks- the legend of the big turn https://www.bbc.co.uk/iplayer/episode/b0bp2v6x/numberblocks-series-3-the-legend-of-big-tum Numberblocks- castle https://www.bbc.co.uk/iplayer/episode/b08r3xqq/numberblocks-series-2-numberblock-castle

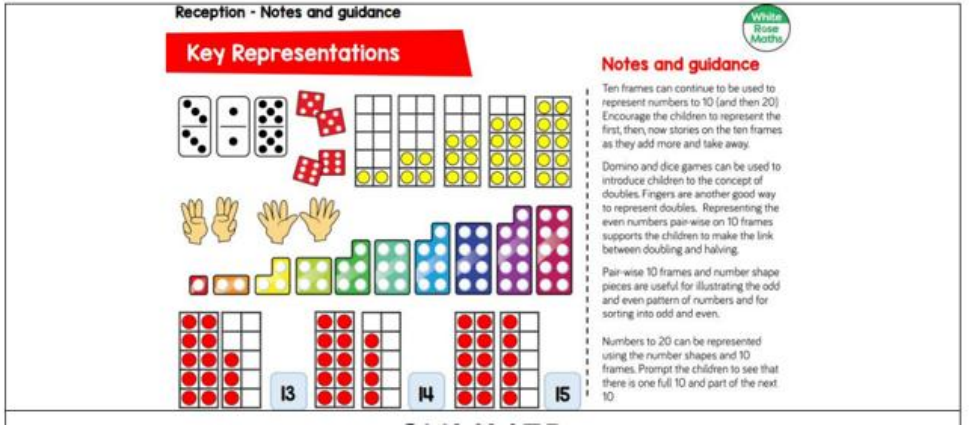
Reception - Notes and guidance

Summer Progression

Geometry	Exploring patterns	→ Making simple patterns
		→ Exploring more complex patterns
Addition and Subtraction	Change	→ Adding more
		→ Taking away
Number and Place Value	Numbers to 20	→ Counting to 20
Multiplication and Division	Numerical patterns	→ Doubling
		→ Halving and sharing
		→ Odds and evens
Measurement	Measure	→ Length, height and distance
		→ Weight
		→ Capacity

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SUMMER NOTE- To 20 and beyond and find my pattern have swapped due to the children needing to have covered the areas in find my pattern before summer 2.				
Week	**White Rose Block**	**Main focus**	**Key concepts and additional focus**	**Numberblocks links**
	Recap for ELG	Doubling https://www.bbc.co.uk/iplayer/episode/p077rl69/numberblocks-numbersongs-counting-cars?seriesId=m000t16j https://whiterosemaths.com/homelearning/early-years/find-my-pattern-week-1/ Sharing https://whiterosemaths.com/homelearning/early-years/find-my-pattern-week-2/ Even and odd One odd day https://www.youtube.com/watch?v=e5AKZ_R46lE https://whiterosemaths.com/homelearning/early-years/find-my-pattern-week-3/	Doubling dice game Doubling barrier game Domino game Teddy bear picnic The doorbell rang Grouping How many cubes Barrier game	Numberblocks- mirror mirror https://www.bbc.co.uk/iplayer/episode/b0bp2xdl/numberblocks-series-3-mirror-mirror Numberblocks-heist https://www.bbc.co.uk/iplayer/episode/m0006s63/numberblocks-series-4-heist Numberblocks- your turn https://www.bbc.co.uk/iplayer/episode/m000t16h/numberblocks-series-5-your-turn Numberblocks- terrible twosday https://www.bbc.co.uk/iplayer/episode/m0006xds/numberblocks-series-4-terrible-twosday Numberblocks-divide and drive https://www.bbc.co.uk/iplayer/episode/m0006xfs/numberblocks-series-4-divide-and-drive Numberblocks-odds and evens https://www.bbc.co.uk/iplayer/episode/b08r2l4d/numberblocks-series-2-odds-and-evens Numberblocks-the two tree https://www.bbc.co.uk/iplayer/episode/b08r3t8t/numberblocks-series-2-the-two-tree?seriesId=m0005y7k Numberblocks-the wrong number https://www.bbc.co.uk/iplayer/episode/b0bp2yc2/numberblocks-series-3-the-wrong-number
	To 20 and beyond	Build numbers beyond 10 (10-13) Continue patterns beyond 10 (10-13)	Ten frame fill beyond 10	Numberblock- 11

			Estimating game Subtraction from ten frames game	https://www.bbc.co.uk/iplayer/episode/m000266y/numberblocks-series-3-eleven?seriesId=m000t16j Numberblock-12 https://www.bbc.co.uk/iplayer/episode/m0002674/numberblocks-series-3-twelve?seriesId=m000t16j Numberblock- 13 https://www.bbc.co.uk/iplayer/episode/m00029t7/numberblocks-series-3-thirteen?seriesId=b0bl5v3r
	To 20 and beyond	Build numbers beyond 10 (14-20) Continue patterns beyond 10 (14-20) Verbal counting beyond 20 Verbal counting patterns.	Missing numbers Race game to 20 Bingo with numbers to 20 Which holds the most?	Numberblock- 14 https://www.bbc.co.uk/iplayer/episode/m00029tp/numberblocks-series-3-fourteen Numberblock- 15 https://www.bbc.co.uk/iplayer/episode/m00029tw/numberblocks-series-3-fifteen?seriesId=b08bzg8q Numberblocks- 16 https://www.bbc.co.uk/iplayer/episode/m0005yfs/numberblocks-series-4-sixteen Numberblocks-17 https://www.bbc.co.uk/iplayer/episode/m00063vv/numberblocks-series-4-seventeen Numberblocks 18 https://www.bbc.co.uk/iplayer/episode/m00064tz/numberblocks-series-4-eighteen?seriesId=b0bl5v3r Numberblocks-19 https://www.bbc.co.uk/iplayer/episode/m000663t/numberblocks-series-4-nineteen?seriesId=m000t16j Numberblocks-20 https://www.bbc.co.uk/iplayer/episode/m0006rr5/numberblocks-series-4-twenty

				Numberblock rally https://www.bbc.co.uk/iplayer/episode/b0bn5bpz/numberblocks-series-3-numberblock-rally Numberblock-ride the rays https://www.bbc.co.uk/iplayer/episode/m0002724/numberblocks-series-3-ride-the-rays
	How many now?	Adding more How many did I add? Take away How many did I take away?	Adding more- unknown then Adding more- first unknown Track game- counting on Taking away- unknown then Pass it on game Take away with pebbles	Numberblocks- tens place https://www.bbc.co.uk/iplayer/episode/m0005y9m/numberblocks-series-4-tens-place Number blocks- balancing bridge https://www.bbc.co.uk/iplayer/episode/m0005y9r/numberblocks-series-4-balancing-bridge Numberblocks- square club https://www.bbc.co.uk/iplayer/episode/m00063vq/numberblocks-series-4-square-club Numberblocks- loop the loop https://www.bbc.co.uk/iplayer/episode/m00064v6/numberblocks-series-4-loop-the-loop
	Manipulate, compose and decompose	Select shapes for a purpose Rotate shapes Manipulate shapes Explain shape arrangements	Making new shapes with 2 right angle triangles Making new shapes	Numberblocks- tall stories https://www.bbc.co.uk/iplayer/episode/m0006rrg/numberblocks-series-4-tall-stories Numberblocks-flights of fancy https://www.bbc.co.uk/iplayer/episode/m0006rrv/numberblocks-series-4-flights-of-fancy
	Manipulate, compose and decompose	Compose shapes Decompose shapes Copy 2D shape pictures Fins 2D shapes within 3D shapes. Grandpa's quilt		

			with squares Making new shapes with tangrams Pattern blocks	
	Sharing and grouping	Explore sharing Sharing Explore grouping Grouping		
	Sharing and grouping	Even and odd sharing Play with and build doubles		
	Visualise, build and map	Identify units of repeating patterns Create own pattern rules Explore own patterns rules	Find my match with shapes Find my match with models Match and fill	
	Visualise, build and map	Replicate and build scenes and constructions Visualise from different positions Describe positions Give instructions to build Explore mapping Represent maps with models Create own maps from familiar places Create own maps and plans from story situations	Replicate my model Mapping Large maps Cuisenaire rods	
	Make connections	Deepening understanding Patterns and relationships Harry and His Bucketful of Dinosaurs by Ian Whybrow Mr Gumpy's Outing by John Burningham		

		How Many Legs? by Kes Gray & Jim Field Materials for building boats and bridges		

Extensions

Series 4 https://www.bbc.co.uk/iplayer/episode/m0007ln6/numberblocks-series-4-one-thousand-and-one

https://www.bbc.co.uk/iplayer/episode/m0007ll3/numberblocks-series-4-more-to-explore

https://www.bbc.co.uk/iplayer/episode/m0007lkw/numberblocks-series-4-one-hundred

https://www.bbc.co.uk/iplayer/episode/m0007jym/numberblocks-series-4-fifty

https://www.bbc.co.uk/iplayer/episode/m0007n47/numberblocks-series-4-sixtys-high-score

https://www.bbc.co.uk/iplayer/episode/m0007llc/numberblocks-series-4-the-big-one

Series 5
Number bonds to make 20- https://www.bbc.co.uk/iplayer/episode/m000t8dg/numberblocks-series-5-the-many-friends-of-twenty

Multiplication- https://www.bbc.co.uk/iplayer/episode/m000tb83/numberblocks-series-5-two-times-shoe-shop

Arrays- https://www.bbc.co.uk/iplayer/episode/m000thl6/numberblocks-series-5-rectangle-racers