



Spring 1

Year R – Medium term planning

Week 1 – Introducing 0 and comparing numbers

Week 2 – Composition of 4 and 5

Week 3 – Capacity and weight

Week 4 – Representing/ comparing and composition of 6, 7, 8

Week 5 – Matching 6, 7, 8 / Making pairs / Combining two groups

Week 6 – Length, height and time

Week 7 – Consolidation of subitising, number bonds to 5, ordering, counting and comparing.

Prior Learning	Objectives / Vocabulary	Links to Planning Documents	Links to Resources	Problem Solving and Reasoning Questions and links
Autumn Term Can compare quantities using language such as, 'more than, 'fewer than'. Is able to solve real world mathematical problems with numbers up to 5. Can say one number for each item in order: 1. 2. 3, 4, 5.	*Counts objects, actions and sounds. *Is able to compare numbers. *Can compare quantities up to 5 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. <i>Zero, more, fewer, the same, more than, fewer than.</i>	White Rose: Alive in 5 Introducing zero and comparing numbers	Numberblocks - Zero https://www.bbc.co.uk/iplayer/episode/b0blsx34/numberblocks-series-3-zero Songs: Five currant buns Five little speckled frogs https://www.youtube.com/watch?v=wQf6yWEScB8 Sing 'One Elephant Went Out to Play' https://www.youtube.com/watch?v=2E3p_51tJx0 Sing 'Five Little Men in a Flying Saucer'. Story: https://www.youtube.com/watch?v=3wS3SxmGFKQ Zero is the Leaves on the Tree by Betsy Franco. https://www.youtube.com/watch?v=ySgKNLaBv6g Watch 'None the Number' by Oliver Jeffers.	How many...? Which shows more...? The same...? Fewer...? Can you say the number that is one more? One fewer?
Autumn Term Is able to compare numbers Is able to link the number symbol (numeral) with its cardinal number value Understands the 'one more than/one less than'	*Is able to explore the composition of numbers to 5. *Automatically recalls, number bonds to 5 (ELG) *Has a deep understanding of the numbers to 10,	White Rose: Alive in 5 Composition of 4 and 5	Songs: <i>Pirate number song</i> Numberblocks – The whole of me BBC iPlayer - Numberblocks - Series 1: The Whole of Me Numberblocks – Fruit salad BBC iPlayer - Numberblocks - Series 3: Fruit Salad Subitising dot patterns ppt Part-Whole ppt Story:	What do you notice? How can we make 4? How can we make 5? Can you use the number shapes/ number blocks/ fingers to show me how you can make 4/5?

relationship between consecutive numbers	including the composition of each number (ELG) *Is able to subitise up to 5 (ELG) Composition, how many, how many altogether, more, less, fewer, whole, part, add, equals, subitise, number sentence, number shape			
Aut 1: Make comparisons between objects relating to weight and capacity Counts objects, actions and sounds to 5. Counts forwards and backwards to 10.	*Can compare weight and capacity *Counts objects, actions and sounds *Can count beyond ten forwards and backwards *Can identify a missing number when counting. *Verbally counts beyond 20, recognising the pattern of the counting system (ELG) Capacity, How much?, tall, thin, narrow, wide, shallow, full, half, full, nearly full, nearly empty, empty, about...most, least, weight, heavy, heavier, heaviest, heavier than, light, lighter, lightest, lighter than, equal to	White Rose: Alive in 5 Capacity and weight	Songs: Count forwards and backwards to 20 https://www.youtube.com/watch?v=8TIjoLW5oRw Story: Who sank the boat by Pam Allen Balancing Act by Ellen Stoll Walsh A beach for Albert by Eleanor May	What do you notice? Can you find something smaller but heavier? Can you find something bigger but lighter? Which container will hold the most? Least? How can we find out?
Autumn & Spr 1: weeks 1, 2, 4 Can say one number for each item in order 1,2,3,4,5 Recites numbers past 5. Is able to solve real world mathematical problems with numbers up to 5 Is able to explore the composition of numbers to 5.	*Counts objects, actions and sounds. *Is able to subitise *Understands the 'one more than/one less than' relationship between consecutive numbers *Is able to explore the composition of numbers to 8.	White Rose: Growing 6, 7, 8 Representing, comparing and composition of 6, 7, 8	Number Blocks six https://www.bbc.co.uk/iplayer/episode/b08pgksd/numberblocks-series-2-six Numberblocks – meet number seven https://www.youtube.com/watch?v=FD_bYTrvAm0 Numberblocks -number eight https://www.bbc.co.uk/iplayer/episode/b08pqvmb/numberblocks-series-2-eight Matching 6, 7, 8: White Rose Session 4 - video https://vimeo.com/498023359 Songs: Count forwards and backwards to 20	What can you see? How many? How do you know? Who has the most? Fewest? Which has the same amount? Can you put the objects/numbers in order? Smallest to

<p>Begins to automatically recalls, number bonds to 5 (ELG)</p>	<p>*Can count beyond ten forwards and backwards. Has a deep understanding of the numbers to 10, including the composition of each number (ELG)</p> <p>Cardinal principle, subitise, more than, fewer than, one more / one less, numeral, compare, count on, count back, altogether</p>		<p>https://www.youtube.com/watch?v=8TljoLW5oRw</p> <p>Story: 'Six Dinner Sid' by Inga Moore https://www.youtube.com/watch?v=JauYJuJ5X7M Read the story 'Kipper's Toy Box' by Mick Inkpen https://www.youtube.com/watch?v=JauYJuJ5X7M Anno's Counting Book by Mitsumasa Anno https://www.youtube.com/watch?v=DrqMHB89m3M</p>	<p>biggest / biggest to smallest?</p>
<p>Autumn term / Weeks 1, 2, 3</p> <p>Recites numbers past 5. Can say one number for each item in order 1,2,3,4,5. Knows that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Is able to solve real world mathematical problems with numbers up to 5. Displays fast recognition of up to 3 objects without having to count them individually.</p>	<p>*Counts objects actions and sounds. * Is able to subitise * Is able to link the number symbol * Is able to explore the composition of numbers to 8. *Is able to compare numbers. *Can compare quantities up to 5 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. *Understands the 'one more than/one less than' relationship between consecutive numbers.</p> <p>Subitise, more than, fewer than, one more, one less, numeral, compare, count on, count back, altogether, total, combine groups, pairs, match</p>	<p>White Rose: Growing 6, 7, 8</p> <p>Matching 6, 7, 8 / Making pairs / combining two groups</p>	<p>Making pairs ppt Combining groups ppt Ladybird memory games</p> <p>Story: https://www.youtube.com/watch?v=qyFWbhR7MOA Watch 'Quack and Count' by Keith Baker. https://www.youtube.com/watch?v=ye1PgKhZlow Watch 'A Pair of Socks' by Stuart J Murphy. https://www.youtube.com/watch?v=4qI7P0YL8aw Watch 'Simon Sock' by Sue Hendra.</p>	<p>What can you see? How many? How do you know? Which has the same amount? What is one more? One less? Can you find a pair? Do they match?</p>

<p>Autumn 1 Can make comparisons between objects relating to size and length Recites numbers past 5. Can say one number for each item in order 1,2,3,4,5.</p> <p>Autumn 2 Can make comparisons about time, begin to know the order of the days of the week</p>	<p>*Can compare length, height, time *Counts beyond 10 *Can use language to talk about distance</p> <p>(Height) tall taller tallest short shorter shortest (Length) long longer longest short shorter shortest, distance, far, near, furthest, shortest, measure (Time) yesterday, today and tomorrow, days of the week, next, then, now, after, later, minute estimate, how long?</p>	<p>White Rose: Growing 6, 7, 8</p> <p>Length, height & time</p>	<p>Songs: <i>Count forwards and backwards to 20</i> https://www.youtube.com/watch?v=8TljLW5oRw <i>Days of the week song: (Adams family tune)</i> https://youtu.be/oKqAbIcwFOA</p> <p>Story: <i>Jim and the beanstalk.</i> https://youtu.be/liizHArY5aU</p> <p>Jaspers Beanstalk: Jasper's Beanstalk- Read Aloud books for kids - Bing video</p>	<p>What do you notice about the size of the objects? What words can you use to compare the objects? Can you put the objects in order? Shortest to longest/ shortest to tallest?</p>
<p>See Spr1: weeks 1, 2, 3, 4</p>	<p>*Counts objects, actions and sounds *Is able to link the number symbol (numeral) with its cardinal number value *Can count beyond ten *Understands the 'one more than/one less than' relationship between consecutive numbers *Automatically recalls number bonds for numbers 0–5 *Is able to explore the composition of numbers to 5 *Is able to subitise</p> <p>Subitise, more than / fewer than One more / one less, numeral, compare, count on/ count back Altogether, total, combine groups, number bond</p>	<p>White Rose: Consolidation / assessment</p> <p>Consolidation of subitising, number bonds to 5, counting, ordering and comapring</p>	<p>Count to 20 https://www.youtube.com/watch?v=Aq4UAss33qA</p> <p>Subitising without counting https://www.youtube.com/watch?v=B_QktFST7iA</p> <p><u>Number bonds to 5</u> https://www.youtube.com/watch?v=KwkMHRhzeKc</p> <p>Education city – Silly Streets, Sten by Ten, Five a Day</p>	<p>What can you see? How many? How do you know? What is one more? One less? What is the missing number?</p>

Key Skills and Concepts to Remember:

- To identify a range of representations of 6, 7, 8.
- To begin to compare numbers 0-8.
- To say one more than and one less than a number 0-8 (using objects if necessary)
- Begin to explore the composition of numbers to 8
- Compare length, height of objects using correct vocabulary.

What Next? – Spring 2:

- To represent 9 and 10 on a Tens frame and talk about how they know there are 9/10.
- To explore compositions of 9 and 10.
- To identify representations that are more/ fewer and the same as a given quantity.
- To compare numbers to 10 using more/ fewer and same.
- To begin to recall some number bonds to 10
- To be able to add one more, two more
- To be able to take away one, two