Mastering Number

Reception Overview

Term 1	Term 2	Term 3
Pupils will build on previous experiences of number, and further develop their subitising and counting skills. They will explore the composition of numbers within 5, and connect the concept of 'parts' and 'whole' to objects and number. They will develop skills in noticing and visualising and begin to compare sets of objects and use the language of comparison. As they move themselves through space, they will develop their understanding of relevant spatial language. **Pupils will:** • identify when a set can be subitised and when counting is needed • subitise different arrangements, both unstructured and structured, including using the Hungarian number frame • make different arrangements of numbers within 5 and talk about what they can	Pupils will continue to develop skills in noticing and visualising; sorting shapes according to their attributes. They will develop their subitising and counting skills and explore the composition of numbers within and beyond 5. They will begin to explore and identify when objects or sets are equal or unequal and connect two equal groups to doubles. They will begin to connect quantities to numerals. **Pupils will:** • continue to notice similarities and differences • identify and describe some 2d and 3d shapes • continue to develop their subitising skills for numbers within and beyond 5, and increasingly connect quantities to numerals • begin to identify missing parts for numbers within 5	Pupils will continue to develop their skills in noticing and visualising, when engaging with pattern work. They will apply their understanding of equal/not equal and prepositional language when working with a range of measures. They will consolidate their counting skills, counting to larger numbers and developing a wider range of counting strategies. Pupils will secure knowledge of number facts through varied practice. **Pupils will:** • explore a range of pattern making skills, copying, continuing and creating their own patterns • continue to develop their counting skills, counting larger sets as well as counting actions and sounds • explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame

see, to develop their conceptual subitising skills • spot smaller numbers 'hiding' inside larger numbers • connect quantities and numbers to finger patterns and explore different ways of representing numbers on their fingers • hear and join in with the counting sequence, and connect this to the 'staircase' pattern of the counting numbers, seeing that each number is made of one more than the previous number • develop counting skills and knowledge, including: that the last number in the count tells us 'how many' (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1 correspondence; understanding that anything can be counted, including actions and sounds • compare sets of objects by matching • begin to develop the language of 'whole' and 'parts' when talking about objects and numbers	• explore the structure of the numbers 6 and 7 as '5 and a bit' and connect this to finger patterns and the Hungarian number frame • focus on equal and unequal, initially with blocks and then when comparing numbers up to 10. • understand that two equal groups can be called a 'double' and connect this to finger patterns • sort odd and even numbers according to their 'shape' • continue to develop their understanding of the counting sequence and link cardinality and ordinality through the 'staircase' pattern • order numbers and play track games • join in with verbal counts beyond 20, hearing the repeated pattern within the counting numbers.	• compare lengths, heights and mass, noticing similarities and differences and using prepositional language to describe these • compare quantities and numbers, including sets of objects which have different attributes • continue to develop a sense of magnitude, e.g., knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2 • begin to generalise about 'one more than' and 'one less than' numbers within 10 • continue to identify when sets can be subitised and when counting is necessary • develop conceptual subitising skills including when using a rekenrek.

• use gestures to develop their understanding and use of a range of spatial language, including the prepositions: in, on, under, next to, between, in front of, and behind, and language related to movement, including: turn, flip.		