Maths Skills Progression 2021

EYFS (Reception)

ELGs for number

ELGs for numerical patterns

Autumn		Spring		Summer	
Unit `1: **Numbers to 5**	**Mastery in this unit:** count up to 5 objects reliably understand that numbers can be shown in different representations recognise the numerals 1, 2, 3, 4 and 5 match groups of objects to the correct numeral ELG: Have a deep understanding of number to 10, including the composition of each number ELG: Recognise the pattern of the counting system	Unit 6: **Number bonds within 5**	**Mastery in this unit:** use the language of wholes and parts use physical differences and number bonds to 5 to split a whole into two parts. ELG: Have a deep understanding of number to 10, including the composition of each number ELG: Automatically recall number bonds up to 5	Unit 12: **Exploring patterns**	**Mastery in this unit:** recognise and describe patterns, for example, yellow, blue, yellow, blue, yellow, blue or big, small, big, small, big, small continue patterns and make their own patterns translate or copy patterns from one form to another; such as from a colour pattern into an action, sound or shape pattern
	Twitter Links / Lesson Ideas Children went on a number 4 hunt around their indoor and outdoor environment. Our classroom includes numbers in the environment. When tidying up the children		**Twitter Links/ Lesson Ideas** Children 'pay' for their lunch using Numicon. Each day the amount changes. We played dotty 10. Children built 10 using different pieces of Numicon. Partner games – picking up a number card and making the		**Twitter Links / Lesson Ideas** Children created patterns necklaces and bracelets. They made physical patterns in pairs (clap, spin, clap, spin). We lined up in different orders before the timer was up – girl, boy, dress, trousers.

	need to make sure the baskets have the correct number of resources in them. https://twitter.com/DanesfieldR/status/1356986551138410496		amount as quickly as they can. The winner gets a point! We set toy shops up in the class and the children created the amount using Numicon and money.		Drawing patterns with chalk on the playground.
Unit 2: **Sorting**	**Mastery in this unit:** sort up to 5 objects into two groups describe how they have sorted the objects know that there is often more than one way to sort a collection understand that a collection can be sorted into more than two groups ELG: Compare quantities up to 10 in different context	Unit 7: **Numbers to 10**	**Mastery in this unit:** count numbers up to 10 using one-to-one correspondence represent the numbers 6–10 on a ten frame start to recognise that they can count on using a ten frame, understanding that a full row is 5 count 6–10 objects out from a larger group ELG: Have a deep understanding of number to 10, including the composition of each number. ELG: Subitise (recognise quantities without counting) up to 5. ELG: Verbally count, recognising the pattern of the counting system.	Unit 13: **Counting on and back**	**Mastery in this unit:** count forwards and backwards between 1 and 10 confidently use a 1–10 number track to count on or count back add or take away numbers using a first, then, now story structure explain how they know what number to start on, how many jumps to make on the number line and how to identify the answer ELG: Have a deep understanding of number to 10, including the composition of each number. ELG: Verbally count, recognising the pattern of the counting system.
	Twitter Links / Lesson Ideas We sorted in our indoor and outdoor environment at tidy up time. Children sorted dinosaurs and farm animals indoors. We sorted jugs in our outdoor environment by their size.		**Twitter Links/ Lesson Ideas** During home learning, children created towers using toys from their house. They created towers to represent numbers to 10.		**Twitter Links/ Lesson Ideas** https://twitter.com/DanesfieldR/status/1395765144207167489 https://twitter.com/DanesfieldR/status/1395068209821270026 https://twitter.com/DanesfieldR/status/1390707666306088963

Unit 3: **Comparing groups within 5**	**Mastery in this unit:** identify if a group has more or fewer objects: they can line up objects to check which group has more or fewer; they can say if groups are equal; given an amount, they can show more or fewer with support compare two groups of non-identical objects and match them in order to find out which group has more, fewer or the same ELG: Compare quantities up to 10 in different context ELG: Subitise (recognise quantities without counting) up to 5 (number)	Unit 8: **Comparing numbers within 10**	**Mastery in this unit:** use the words more and fewer to compare groups of up to 10 items start to find the difference between groups by counting on or counting back represent numbers to 10 ELG: Have a deep understanding of number to 10, including the composition of each number. ELG: Subitise (recognise quantities without counting) up to 5 ELG: Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	Unit 14: **Numbers to 20**	**Mastery in this unit:** confidently count forwards and backwards to 20 accurately count an irregular set of up to 20 objects or resources identify one more and one less than a given number to 20 use vocabulary such as more and fewer to compare numbers and quantities confidently use a range of resources to represent given numbers ELG: Verbally count beyond 20, recognising the pattern of the counting system.
	Twitter Links/ Lesson Ideas Children rolled a dice and created towers. They found the biggest and smallest towers. https://twitter.com/DanesfieldR/status/1310641308093091840		**Twitter Links/ Lesson Ideas** https://twitter.com/DanesfieldR/status/1396752054501224457 https://twitter.com/DanesfieldR/status/1275491644251549696		**Twitter Links/ Lesson Ideas**
Unit 4: **Change within 5**	**Mastery in this unit:** find one more and one less than a number within 5, and demonstrate this using a five frame and cubes	Unit 9: **Addition to 10**	**Mastery in this unit:** confidently use the vocabulary of part and whole accurately identify two parts and their combined whole add two parts to make a whole up to 10	Unit 15: **numerical patterns**	**Mastery in this unit:** use concrete manipulatives to double and halve numbers show why a number is odd or even identify doubles to double 5

	tell first, then, now stories to express one more or one less use the vocabulary one less and one more in the correct context ELG: Have a deep understanding of number to 10, including the composition of each number ELG: Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity		use a part-whole model to show two parts and the whole, in various orientations show that they understand that the two parts can be the same size understand which are the parts and which is the whole in a part-whole model show that they understand altogether as the combined total of all the parts ELG: Have a deep understanding of number to 10, including the composition of each number. ELG: Subitise (recognise quantities without counting) up to 5. ELG: Automatically recall numbers bonds up to 5 and some number bonds to 10, including double facts. ELG: Compare different contexts, recognising when one quantity is greater than, less than or the same as the other quantity quantities up to 10 in. ELG: Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity		explain that even numbers can be shared into two equal groups and odd numbers cannot halve even numbers to 10 by sharing into two equal groups ELG: Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
	Twitter Links/ Lesson Ideas Children created more and less than stories during their independent play. Whilst playing, children used small world figures to create stories. Children drew pictures of their stories in the classroom. For example, one child drew three princesses, then she drew a		**Twitter Links/ Lesson Ideas** https://twitter.com/DanesfieldR/status/1396752054501224457		**Twitter Links/ Lesson Ideas**

	prince saving a princess and finally, 2 princesses left in the castle. https://twitter.com/DanesfieldR/status/1353709034130518017				
Unit 5: **Time**	**Mastery in this unit:** order three familiar events from their day discuss what is happening in each picture use the language related to time: before, after, next, then, later	Unit 10: **Number bonds to 10**	**Mastery in this unit:** confidently use the vocabulary of number bonds and addition accurately identify pairs of numbers with a total of 10 use a ten frame and a part-whole model to represent bonds to 10 understand that if 8 and 2, for example, make 10, then so must 2 and 8 ELG: Have a deep understanding of number to 10, including the composition of each number. ELG: Subitise (recognise quantities without counting) up to 5. ELG: Automatically recall number bonds up to 5 and some number bonds to 10, including double facts.	Unit 16: **meas ure**	**Mastery in this unit:** describe the length, height, weight and capacity of objects using everyday language understand the difference between length or height, weight and capacity use non-standard units to measure and compare length or height, weight and capacity solve problems involving length or height, weight and capacity
	Twitter Links/ Lesson Ideas		**Twitter Links/ Lesson Ideas** https://twitter.com/DanesfieldR/status/1372193203647041543 https://twitter.com/DanesfieldR/status/1367869464310669315		**Twitter Links/ Lesson Ideas** https://twitter.com/DanesfieldR/status/1390337163997425668 https://twitter.com/DanesfieldR/status/1384837781508218882

| | | Unit 11: **Shape and space** | **Mastery in this unit:**
use positional and directional language to follow and give instructions

build, describe and sort common 3D shapes (sphere, cylinder, cone, cube, cuboid)

match 3D shapes to their 2D prints and name each of these regular 2D shapes

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