	NC OBJECTIVES	SEQUENCE OF LEARNING	KNOWLEDGE ORGANISER – facts and vocabulary
Year 1 Spring Term 2023-2024	**1 week - Growth Mindset** **Jo Boaler - Youcubed Resources Week 4 Grade 1-2 2018**		
	1 week – Number: Place Value (within 20) ● count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number ● count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens ● given a number, identify one more and one less ● identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least ● read and write numbers from 1 to 20 in numerals and words.	1. Sort, count and represent objects 2. Count forwards and backwards 0-10 3. Write numerals 0-10 4. Count one more 5. Count one less 6. 1:1 correspondence to groups 7. Compare groups (more than, fewer than, equal to) and introduce > and < 8. Compare numbers 9. Order numbers 10. The number line	Numbers to twenty Back, backwards, compare, continue, digit, forwards, greater than (>), less than (<), number facts, numeral, number line, order, represents
	3 weeks - Number: Addition and Subtraction (within 20) ● read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs ● represent and use number bonds and related subtraction facts within 20 ● add and subtract one-digit and two-digit numbers to 20, including zero ● solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9.	1. Add by counting on 2. Find and make number bonds 3. Add by making 10 4. Subtraction (not crossing 10) 5. Subtraction (crossing 10) [1] 6. Subtraction (crossing 10) [2] 7. Compare facts 8. Related number sentences	Addition facts for all numbers up to 20 Addition (+), answer, difference,, equals (=), explain,, method, minus, ones, partition, pattern, plus, problem, reasoning, solution, subtraction, sum, take away, total
	2 weeks - Measurement - Length and Height ● compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] ● measure and begin to record the following: lengths and heights	1. Compare lengths 2. Measure lengths 3. Compare heights 4. Measure heights	Length, long/er/est, short/er/est, height, tall, measure, ruler, tape measure, metre stick, centimetre (cm), metre (m), compare, order

	3 weeks - Number: Place Value (within 50) ● count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number ● count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens ● given a number, identify one more and one less ● identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least ● read and write numbers from 1 to 20 in numerals and words.	1. Numbers to 50 2. Tens and ones (chips and peas) 3. Represent numbers to 50 4. Compare objects within 50 5. Order numbers within 50 6. Count in 2s 7. Count in 5s	Numbers to 50 Back, backwards, compare, continue, digit, forwards, greater than (>), less than (<), number facts, numeral, number line, order, represents, sequence, zero, tens, ones.
	2 weeks - Measurement: Mass and Capacity ● compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] ● measure and begin to record the following: measure and begin to record the following: mass/weight capacity and volume	1. Introduce weight and mass 2. Measure mass 3. Compare mass 4. Introduce capacity and volume 5. Measure capacity 6. Compare capacity	Heavy, light, heavier than, lighter than, full, empty, more than, less than, half full, quarter full, capacity, volume