

Y E A R 2 A U T U M N T E R M	NC OBJECTIVES	SEQUENCE OF LEARNING	KNOWLEDGE ORGANISER – facts and vocabulary
	3 weeks - Number: Place Value <ul style="list-style-type: none"> ● read and write numbers to at least 100 in numerals and in words. ● recognise the place value of each digit in a two digit number (tens, ones) ● identify, represent and estimate numbers using different representations including the number line ● compare and order numbers from 0 up to 100; use <, > and = signs ● use place value and number facts to solve problems ● count in steps of 2, 3, and 5 from 0, and in tens from any number, forwards and backwards 	Counting in different multiples taught throughout the block as lesson starters with links between different multiples being highlighted). Order: 10s, 5s, 2s, 3s <ol style="list-style-type: none"> 1. Count objects to 100, read and write numbers in numerals and words 2. Represent numbers to 100 3. Tens and ones with a part-whole model 4. Tens and ones using addition 5. Use a place value chart 6. Compare objects and numbers 7. Order objects and numbers 	Numbers to one hundred Back, backwards, compare, count in 2s, 5s, 10s, continue, digit, forwards, greater than (>), less than (<), multiple of, number facts, numeral, partition, place, place value, predict, represents, round, sequence, teens, zero
	5 weeks - Number: Addition and Subtraction <ul style="list-style-type: none"> ● recall and use addition and subtraction facts to 20 fluently, derive and use related facts to 100 ● add and subtract numbers using concrete, pictorial and mentally including 2dig+ones, 2 dig+tens, two 2dig, 3 one-dig ● show that addition can be commutative and subtraction cannot ● solve problems with addition and subtraction; using concrete and pictorial, including those involving numbers, quantities and measures, applying mental and written methods ● recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems 	<ol style="list-style-type: none"> 1. Fact families- addition and subtraction bonds to 20 2. Check calculations 3. Compare number sentences and related facts 4. Bonds to 100 (tens) 5. Add and subtract 1s 6. 10 more and 10 less 7. Add and subtract 10s 8. Add a 2-digit and a 1 digit- crossing ten 9. Subtract a 1 digit from a 2 digit number- crossing ten 10. Adding 2 2-digit numbers (not crossing then crossing ten) 11. Subtracting 2 2-digit numbers (not crossing then crossing ten) 12. Bonds to 100 (tens and ones) 13. Add three 1-digit numbers 	Addition facts for all numbers up to 20 Addition (+), answer, calculate, calculation, difference, empty number line, equals (=), estimate, explain, inverse, method, minus, ones, operation, partition, pattern, plus, problem, reasoning, solution, subtraction, sum, take away, total
	2 weeks - Money <ul style="list-style-type: none"> ● recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value ● find different combinations of coins that equal the same amounts of money ● solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change 	<ol style="list-style-type: none"> 1. Count money-pence 2. Count money- pounds (notes and coins) 3. Select money 4. Make the same amount 5. Compare money 6. Find the total 7. Find the difference 8. Find change 9. Two-step problems 	Everyday vocabulary about money- including: Pounds, pence, change, swap, amount, total, compare, copper, silver, circle, heptagon, difference between, more than, less than, increase, decrease, price, sale, save
	2 weeks- Number: Multiplication and Division <ul style="list-style-type: none"> ● recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers ● calculate mathematical statements for multiplication and division within the multiplication tables and write them using the x, ÷ and = sign ● solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts ● show that multiplication is commutative, but division is not. 	<ol style="list-style-type: none"> 1. Recognise equal groups 2. Make equal groups 3. Add equal groups 4. Multiplication sentences using the x symbol 5. Multiplication sentences from pictures 6. Use arrays 7. 2 times table 8. 5 times table 9. 10 times table 	Times tables facts (and corresponding divisions) Answer, array, associative, calculation, communicative, divide, double, equation, fact, group, halve, inverse, multiple, multiply, pattern, product, remainder, sentence, share, symbol, times