NC2014 MATHEMATICS LIST
OBJECTIVES and CHILD SPEAK TARGETS

MATHEMATICS Key Stage 1 Year 1

Key Stage	Strand	Objective	Child Speak Target
KS 1 Y1	Number Place Value		
KS 1 Y1	Number Place Value	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.	*I can count up and down from 0 to 100 and more.*
KS 1 Y1	Number Place Value	Count, read and write numbers to 100 in numerals.	*I can count, read and write numbers up to 100.*
KS 1 Y1	Number Place Value	Count in multiples of twos, fives and tens.	*I can count in 2 or 5 or 10.*
KS 1 Y1	Number Place Value	Given a number, identify one more and one less.	*When you show me a number, I can tell you what is one more and one less.*
KS 1 Y1	Number Place Value	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.	*I can find numbers on a number line when I am solving problems with questions using equal to, more than, less than, most and least.*
KS 1 Y1	Addition Subtraction		
KS 1 Y1	Addition Subtraction	Read and write numbers from 1 to 20 in numerals and words.	*I read and write numbers from 1 to 20 in numbers and words.*
KS 1 Y1	Addition Subtraction	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.	*I know and can use the maths symbols + - and = in a number sentence.*
KS 1 Y1	Addition Subtraction	Represent and use number bonds and related subtraction facts within 20.	*I know my number bond facts to 20 - such as 1+5 = 6 and 5 = 6 - 1.*
KS 1 Y1	Addition Subtraction	Add and subtract one-digit and two-digit numbers to 20, including zero.	*I add and subtract numbers up to 20 - such as 5+5 or 12-8.*
KS 1 Y1	Addition Subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? - 9.	*I can solve some number problems such as 7 = ? - 9.*
KS 1 Y1	Multiplication Division		
KS 1 Y1	Multiplication Division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations	*I answer maths multiplication or division problems with help from an adult and using objects to see what the problem means.*

			and arrays with the support of the teacher.	
KS 1 Y1	Fractions			
KS 1 Y1	Fractions		Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	*I know that a half is one of two equal parts, and I find half of a shape or a set of objects by sharing the shape or set into two equal parts.*
KS 1 Y1	Fractions		Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	*I find a quarter of a shape or a set of objects by sharing the shape or set into four equal parts.*
KS 1 Y1	Measurement			
KS 1 Y1	Measurement		Compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half].	*I use words such as long/short, longer/shorter, tall/short, double/half to describe my maths work when I am measuring.*
KS 1 Y1	Measurement		Compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier than, lighter than].	*When weighing, I use the words heavy/light, heavier than, lighter than to explain my work.*
KS 1 Y1	Measurement		Compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter].	*When working with capacity, I use the words full/empty, more than, less than, half, half full and quarter to explain my work.*
KS 1 Y1	Measurement		Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later].	*I can answer questions about time, such as Who is quicker? or What is earlier?*
KS 1 Y1	Measurement		Measure and begin to record lengths and heights.	*I can measure the length or height of something and write down what measure.*
KS 1 Y1	Measurement		Measure and begin to record mass/weight.	*I can measure how heavy an object is and write down what I find.*
KS 1 Y1	Measurement		Measure and begin to record capacity and volume.	*I can measure the capacity of jugs of water and write down what I measure.*
KS 1 Y1	Measurement		Measure and begin to record time (hours, minutes, seconds).	*I can measure how long something takes to happen - such as how long it takes me to run around the playground.*
KS 1 Y1	Measurement		Recognise and know the value of different denominations of coins and notes.	*I know that coins have different values - such as 2p, 5p, 10p and 50p.*
KS 1 Y1	Measurement		Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening].	*I use special time words such as before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.*
KS 1 Y1	Measurement		Recognise and use language relating to dates, including days of the week, weeks, months and years.	*I can tell you the days of the week and months of the year and I can talk about weeks and months and years and what they mean.*
KS 1 Y1	Measurement		Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	*I can tell the time and draw hands on a clock for to the hour and half past the hour times.*
KS 1 Y1	Shape			
KS 1 Y1	Shape		Recognise and name common 2-D and 3-D shapes, including 2-D shapes [for example, rectangles (including squares), circles and triangles].	*I can name common 2-D shapes such as rectangles, squares, circles and triangles.*
KS 1 Y1	Shape		Recognise and name common 2-D and 3-D shapes, including 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	*I can name some 3-D shapes such as cuboids and cubes, pyramids and spheres.*

KS 1 Y1	Position		
KS 1 Y1	Position	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	*I can describe my position, direction and movement, including whole turns, half turns, quarter turns and three-quarter turns.*