Plan: Mixed-age Year 3/4 **Date: Spring term 2018**
School Name: North Rigton Teacher: Miss Ellis Class: Busy Bees

*Please note that this is a proposed overview and is flexible. This could change depending on a child's or class's ability in different areas.

Spring Term 1			
Wk	**Yr**	**Strands**	**Weekly Summary**
12	3	Number and place value (NPV); Decimals, percentages and their equivalence to fractions (DPE)	Revise placing 3-digit numbers on a number line; place 3-digit numbers between multiples of 10 on a 'hundred' line and round to the nearest 10; partition 3-digit numbers into 100s, 10s and 1s; compare and order numbers; order groups of 3-digit numbers; investigate 3-digit numbers.
	4	Number and place value (NPV); Decimals, percentages and their equivalence to fractions (DPE)	Divide numbers by 10 to give 1-place decimals; multiply numbers like 3.4 and 5.6 by 10; use function machines; compare and order numbers; place 1-place decimals on a number line and round to nearest whole; understand fractional and decimal forms of tenths (3/10 and 0.3); order numbers with one decimal place
13	3	Mental addition and subtraction (MAS); Written addition and subtraction (WAS); Measurement (MEA)	Add three 2-digit numbers; add pairs of 2-digit numbers using different strategies; subtract multiples of 10 and near multiples; count up to solve 2-digit subtractions; choose strategies to subtract
	4	Mental addition and subtraction (MAS); Written addition and subtraction (WAS); Measurement (MEA)	Use expanded and compact written addition to add amounts of money; count up to solve 3-digit subtractions; count up to find change from £5 and £10; count up to find a price difference
14	3	Mental addition and subtraction (MAS); Written addition and subtraction (WAS);	Add 3-digit numbers using expanded addition; estimate totals; subtract a 2-digit number from a 3-digit number using counting up (Frog)
	4	Mental addition and subtraction (MAS); Written addition and subtraction (WAS); Problem solving, reasoning and algebra (PRA)	Add three then four 2-digit numbers using compact addition; subtract 3-digit numbers using expanded column subtraction; subtract 3-digit numbers choosing an efficient method; investigate patterns when subtracting 3-digit numbers
15	3	Measurement (MEA); Statistics (STA)	Measure in m, cm and mm; convert cm to m and mm to cm and vice versa; measure in kg and g; convert g to kg and vice versa; draw a bar graph; draw a bar graph where 1 square represents 2 units
	4	Measurement (MEA); Statistics (STA)	Measure in m, cm and mm; convert from cm to m and m and cm to m (2dp); convert from mm to cm (1dp); weigh in kg and g; convert from kg to g and vice versa (1dp); estimate weights and order items by weight; display information on a bar graph; draw a bar graph where 1 square represents 4 units
16	3	Fractions, ratio and proportion (FRP)	Place fractions on a number line (1/4s 1/2s and 1/8s); find fractions of amounts (1/4s, 1/8s,1/3s and 1/6s); understand denominator and numerator and compare fractions; recognise and find fractions with a total of 1
	4	Fractions, ratio and proportion (FRP); Decimals, percentages and their equivalence to fractions (DPE)	Identify equivalent fractions, especially in relation to halves and quarters; simplify fractions by reducing to their simplest form; identify equivalent fractions and mark on a number line; mark equivalent fractions/decimals on a number line; add and subtract fractions with the same denominator

Spring Term 2			
Wk	**Yr**	**Strands**	**Weekly Summary**
17	3	Number and place value (NPV);	Explore place value in 3-digit numbers including money;

		Mental multiplication and division (MMD)	multiply and divide by 10 using place value grids; multiply and divide by 10 and 100; multiply and divide by 10 and 100 using money; use inverse operations
	4	Number and place value (NPV); Mental multiplication and division (MMD); Decimals, percentages and their equivalence to fractions (DPE)	Multiply and divide by 10 and 100 using 1-place decimals; multiply multiples of 10 and 100 by 1-digit numbers; add/subtract 0.1 and 1 to/from numbers with one decimal place; use negative numbers in the context of temperature; place negative numbers on a line; order positive and negative numbers
18	3	Number and place value (NPV); Mental addition and subtraction (MAS)	Add/subtract 1-digit numbers to/from 3-digit numbers; add/subtract multiples of 10 and 100; use addition and subtraction to solve word problems
	4	Number and place value (NPV); Mental addition and subtraction (MAS)	Add/subtract 1-digit numbers to/from 3 and 4-digit numbers; add/subtract multiples of 10, 100 and 1000
19	3	Written addition and subtraction (WAS); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Use compact and expanded addition to add pairs of 3-digit numbers; find a difference between pairs of numbers within the century; find a difference between pairs of numbers and check with addition; solve addition and subtraction word problems; use compact decomposition to subtract 3-digit numbers
	4	Written addition and subtraction (WAS); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Add three 3-digit numbers using compact addition; use compact addition to add amounts of money; use expanded decomposition to subtract 3-digit numbers; use compact decomposition to subtract 3-digit numbers
20	3	Measurement (MEA); Geometry: position and direction (GPD)	Read and write analogue and digital times; match, read and write analogue and digital times; use timetables; calculate time intervals; understand angles as turns and right angles as quarter turns
	4	Measurement (MEA); Geometry: position and direction (GPD)	Tell time on digital and analogue clocks using 24 hour clock; convert 24-hour clock times to am and pm times; use timetables and calculate intervals; use x, y co-ordinates on a graph (first quadrant); use x, y co-ordinates to draw and translate shapes in the first quadrant
21	3	Mental multiplication and division (MMD)	Double the 4 times table to get the 8 times table; carry out varied multiplications for the 2, 3, 4, 5, 8, 10 times tables; divide within tables with remainders (÷ 2, 3, 4, 5, 8 and 10); solve multiplication and division word problems
	4	Mental multiplication and division (MMD)	Begin to know multiplication and division facts for the 7 times table; know multiplication and division facts for the 9 times tables; revise all times tables up to 12 × 10; find factors of numbers up to 40; use tables facts and place value to multiply multiples of 10 and 100 by 1-digit numbers
22	3	Mental multiplication and division (MMD); Written multiplication and division (WMD); Fractions, ratio and proportion (FRP)	Multiply by 4 by doubling twice; divide by 4 by halving twice; find unit fractions of quantities using division facts; find non-unit fractions of quantities using division and multiplication
	4	Mental multiplication and division (MMD); Written multiplication and division (WMD); Fractions, ratio and proportion (FRP)	Use the grid method or the ladder method to multiply 3-digit numbers by 1-digit numbers; know the 11 and 12 times tables; divide 2-digit numbers by 1-digit numbers (with remainders)