Lake Class Maths Planning Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Aut 1	**Number - Place Value 1** Numbers 0 – 20 Count, read, write numbers Represent, compare, order numbers 1 more/less/fewer		**Number- Addition and Subtraction 1** Within 10 addition (+), subtraction (–) and equals (=) signs		**Measures - Length and Mass 1** Measure and compare using non-standard units Practical problems	**Number - Addition and Subtraction 2** Within 10 Fact families	**Geometry – Properties of Shape 1** Recognise and name shapes
Aut 2	**Number - Counting and Multiplication 1** Counting in 2s Odd and even numbers Arrays		**Number - Addition and Subtraction 3** Within 20		**Number – Fractions 1** Identify and find a half	**Measures – Time 1** O'clock and half past Days of the week	**Assess and Review**
Spr 1	**Number - Place Value 2** Numbers 0 – 50 Count, read, write numbers Represent, compare, order numbers 1 more/less/fewer		**Measures – Money** Recognising coins/notes Counting money, finding the total		**Number - Counting, Multiplication, Division 2** Count in 2s and 10s Doubles and halves Multiplication and division problems		
Spr 2	**Number - Addition and Subtraction 4** Within 20 – with bridging Concrete, pictorial plus use of marked and unmarked number line		**Geometry – Properties of Shape 2** Describe, sort and compare shapes	**Number – Fractions 2** Identify and find a quarter	**Measures – Time 2** O'clock, half past Months of the year	**Assess and Review**	
Sum 1	**Number - Place Value 3** Numbers 0 – 100 Count, read, write numbers Represent, compare, order numbers 1 more/less/fewer		**Measures - Length 2** Measure and compare using standard units Practical problems	**Number - Addition and Subtraction 5** Within 20 – with bridging Subtraction as difference Choosing most efficient methods		**Number – Fractions 3** Revise finding one half and one quarter	
Sum 2	**Number - Counting, Multiplication, Division 3** Count in 2s, 5s and 10s Multiplication and division problems	**Measures - Capacity, volume and temperature** Measure and compare Practical problems	**Number - Addition and Subtraction 6** Revision/consolidation	**Geometry – Position and Direction** Describe position, movement and turns	**Measures – Time 3** Measure and compare using non-standard units Practical problems	**Assess and Consolidate**	

Number and Place Value

YEAR 1 NC Objectives	Autumn Content Y1	Spring Content Y1	Summer Content Y1
Counting 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 **Comparing Numbers** Use the language of: equal to, more than, less than (fewer), most, least **Identifying, Representing and Estimating Numbers** Identify and represent numbers using objects and pictorial representations including the number line **Reading and Writing Numbers** Read and write numbers from 1 to 20 in numerals and words. **Ready to Progress Criteria** ***1NPV-1*** *Count within 100, forwards and backwards, starting with any number* ***1NPV-2*** *Reason about the location of numbers to 20 within the linear number system, including comparing using < > and =*	**Number and place value 1** Count forwards and backwards to/from 20 starting from any number (particular focus on teens numbers) Read and write numbers to 20 Tens and ones – identify and represent numbers from 11 to 20 1 more/1 less/fewer to 20 Compare and order numbers/quantities to 20 identify most/least	**Number and place value 2** Count forwards and backwards to/from 50 starting from any number Read and write numbers to 50 Tens and ones – identify and represent numbers to 50 1 more/1 less/fewer to 50 Compare and order numbers/quantities to 50 identify most/least Place numbers on a marked number line 0 – 20 beginning to reason about their location	**Number and place value 3** Count forwards and backwards to/from 100 starting from any number Read and write numbers to 100 Tens and ones – identify and represent numbers to 100 1 more/1 less/fewer to 100 Compare and order numbers/quantities to 100 identify most/least Place numbers on marked and unmarked number lines, reasoning about their location

Addition and Subtraction

YEAR 1 NC Objectives	Autumn Content Y1	Spring Content Y1	Summer Content Y1
Number Bonds Represent and use number bonds and related subtraction facts within 20 **Mental Calculation** Add and subtract one-digit and two-digit numbers to 20, including zero Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs **Problem Solving**	**Addition and Subtraction 1** *(Within 10)* Number bonds within 10 Introduce and use addition (+), subtraction (–) and equals (=) signs	**Addition and Subtraction 4** *(With bridging, focus on using concrete equipment, pictures and jottings eg number line)* Add and subtract two single digit numbers, bridging 10	**Addition and Subtraction 5** *(With bridging, develop mental methods with jottings, choose most efficient methods)* Understand subtraction as difference Solve missing number problems

Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ☐ – 9 Ready to Progress Criteria ***1NF–1*** *Develop fluency in addition and subtraction facts within 10* ***1NF–2*** *Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers* ***1AS–1*** *Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers* ***1AS–2*** *Read, write and interpret equations containing addition (+), subtraction (-) and equals (=) symbols, and relate additive expressions and equations to real-life contexts*	Add and subtract using concrete objects, counting on/back Addition facts for 10 Solve missing number problems using part, part whole Solve addition and subtraction problems using concrete objects, pictorial representations and mental methods **Addition and Subtraction 2** *(Within 10)* Fact families – related addition and subtraction facts Solve addition and subtraction problems using concrete objects, pictorial representations and mental methods **Addition and Subtraction 3** *(Within 20 focus on using concrete equipment and pictures)* Add and subtract two numbers within 20 – *no bridging* Add ten to a single digit number Subtract ten from a 2-digit number 11-20 Solve missing number problems using part, part whole Solve addition and subtraction problems using concrete objects, pictorial representations and mental methods	Add and subtract a 2-digit number and ones, numbers to 20 Add ten to a single digit number Subtract ten from a 2-digit number 11-20 Solve missing number problems using part, part whole Solve addition and subtraction problems using concrete objects, pictorial representations, jottings and mental methods	Solve one step addition and subtraction problems **Addition and Subtraction 6** *(With bridging, develop mental methods with jottings, choose most efficient methods)* Revision/consolidation Solve missing number problems Solve one step addition and subtraction problems

Multiplication and Division			
YEAR 1 NC Objectives Multiplication and Division Facts	**Autumn Content** **Y1**	**Spring Content** **Y1**	**Summer Content** **Y1**
Count in multiples of twos, fives and tens Problem Solving Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	**Counting and Multiplication 1** Count in 2s, sort numbers and reason about patterns and sequences Use efficient counting to count groups of objects Recognise odd and even numbers	**Counting, Multiplication and Division 2** Count in 2s and 10s, sort numbers and reason about patterns and sequences Use efficient counting to count groups of objects Doubles and halves of numbers within 20 Division as sharing and grouping Solve multiplication and division problems using concrete materials	**Counting, Multiplication and Division 3** Count in 2s, 5s and 10s, sort numbers and reason about patterns and sequences Use efficient counting to count groups of objects Solve multiplication problems using concrete materials, pictures Solve division problems involving grouping and sharing using concrete materials, pictures

Fractions			
YEAR 1 NC Objectives Recognising Fractions	**Autumn Content** **Y1**	**Spring Content** **Y1**	**Summer Content** **Y1**
Recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	**Fractions 1** Recognise, find, name a half as one of two equal parts of an object, shape, length or quantity	**Fractions 2** Recognise, find, name a quarter as one of four equal parts of an object, shape, length or quantity	**Fractions 3** Recap all previous learning about halves and quarters

Measurement			
YEAR 1 NC Objectives Comparing and Estimating	**Autumn Content** **Y1**	**Spring Content** **Y1**	**Summer Content** **Y1**
Compare, describe and solve practical problems for: *lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] *mass/weight [for example, heavy/light, heavier than, lighter than]	**Time 1** Telling the time - o'clock and half past	**Time 2** Telling the time – o'clock, half past	**Time 3** Telling the time – o'clock, half past

*capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] *time [for example, quicker, slower, earlier, later] Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	Sequence events using language related to time - before, after, morning, afternoon, evening, today, yesterday, tomorrow Days of the week **Length and Mass 1** Measure length and mass – non-standard units Compare and order length and mass Solve practical problems for length and mass	Months of the year Compare and sequence time intervals – days, weeks, months, years **Money** Recognising coins and notes Counting money, finding the total Recognise and use symbols for pence (p) Selecting coins to pay Paying for the same amount in different ways Solving money problems involving addition and subtraction	Measure and begin to record time when solving practical problems **Length 2** Measure length – standard units Compare and order lengths Solve practical problems for length **Capacity and Volume** Measure capacity and volume - non-standard units Compare and order capacity and volume Solve practical problems for capacity and volume
Measuring and Calculating			
Measure and begin to record the following: *lengths and heights *mass/weight *capacity and volume *time (hours, minutes, seconds) Recognise and know the value of different denominations of coins and notes			
Telling the Time			
Recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.			

Geometry – Properties of Shape			
YEAR 1 NC Objectives	**Autumn Content Y1**	**Spring Content Y1**	**Summer Content Y1**
Identifying Shapes and their Properties			
Recognise and name common 2-D and 3-D shapes, including: *2-D shapes [for example, rectangles (including squares), circles and triangles] *3-D shapes [for example, cuboids (including cubes), pyramids and spheres]	**Geometry 1** Recognise and name 2d and 3d shapes Count sides and vertices on 2d shapes	**Geometry 2** Identify 2d and 3d shapes from a wider set (different size, orientation, colour Describe and sort 2d and 3d shapes according to properties Compare similarities and differences of 2d and 3d shapes	
Ready to Progress Criteria			
1G–1 *Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another* ***1G–2*** *Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations*			

Geometry – Position and Direction			
YEAR 1 NC Objectives **Geometry – Position, Direction and Movement**	**Autumn Content** **Y1**	**Spring Content** **Y1**	**Summer Content** **Y1**
Describe position, direction and movement, including whole, half, quarter and three-quarter turns.			**Geometry 3** Describe position – left, right, top, bottom, above, below, between Describe movement in a straight line – left, right, forwards, backwards Describe turning movements – quarter, half, three quarter, full Combine movement and turn to direct along a route Describe and create repeating patterns