Burlington Infant School Mathematics Curriculum Progression EYFS – KS1 – Lower KS2			
	Burlington Infant School	Mathematics Curriculum Progression	EYFS – KS1 – Lower KS2

Concept	DM	ELG	Y1	Y2	Y3
Number - Number and Place Value	Counting Recite numbers past 5 Say one number name for each item in order Know the last number reached when counting a small set of objects tells you the total (cardinal principle)	Number Have a deep understanding of number to 10, including the composition of each number Subitise (recognise quantities without counting) up to 5 Numerical patterns Verbally count beyond 20, recognising the pattern of the counting system	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and writenumbers to 100 in numerals; count in multiples of twos, fives and tens given a number, identify one moreand one less identify and represent numbers using objects and pictorial representations including the numberline, 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	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward recognise the place value of each digit in atwo-digit number (tens, ones) identify, represent andestimate numbers using different representations, including the number line compare and order numbers from 0 up to 100; use <, > and = signs read and write numbersto at least 100 in numerals and in words use place value and number facts to solveproblems	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number recognise the place value of each digit in a three- digit number (hundreds, tens, ones) compare and order numbers up to 1000 identify, represent and estimate numbers using different representations read and write numbersup to 1000 in numerals and in words solve number problems and
Number - Addition and Subtraction	Automatically recall number bonds for numbers 0–5 and some to 10 Explore the composition of numbers to 10 Understand the one more than/one less than relationship between consecutive numbers Compare numbers	Number Automatically recall (without reference to rhymes, counting or otheraids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Numerical patterns Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or thesame as the other quantity	read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs represent and use number bonds andrelated subtractionfacts within 20 add and subtract one-digit and two- digit numbers to 20, including zero solve one-step problems that involveaddition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$	solve problems withaddition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones at wo-digit numbers two two-digit numbers adding three one-digit numbers show that addition of two numbers can be done in any order (commutative) and subtraction of one number from anothercannot recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	practical problems involving these ideas add and subtract numbersmentally, including: • a three-digit numberand ones • a three-digit numberand tens • a three-digit numberand hundreds add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction estimate the answer to acalculation and use inverse operations to check answers solve problems, includingmissing number problems, using number facts, place value, and more complex addition and subtraction

Number- Fractions (decimals and percentages)		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	recognise, find, name and write fractions 1/3,1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2	count up and down in tenths; recognise that tenths arise from dividingan object into 10 equal parts and in dividing one-digit numbers or quantities by 10 recognise, find and writefractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators recognise and use fractions as numbers: unitfractions and non-unit fractions with small denominators recognise and show, using diagrams, equivalent fractions with small denominators add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7] compare and order unitfractions, and fractions with the same denominators solve problems that involve all of the above
Number - Multiplication and Division	Numerical patterns Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally	solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations andarrays with the support of the teacher	recall and use multiplication and division facts for the 2,5 and 10 multiplication tables, including recognising odd and even numbers calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	recall and use multiplication and divisionfacts for the 3, 4 and 8 multiplication tables write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing toformal written methods solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problemsin which n objects

Ratio and Proportion	Continue, copy and create repeating patterns			
Algebra		Understand the power of the = sign Solve balancingcalculations Recognise and usenumber sentences written in different ways Solve missing number calculations What's the same? What's the difference? questions	Understand < and > Understand the power of the = sign Solve balancing calculations Recognise and use number sentences written in different ways Solve missing number calculations What's the same? What's the difference? questions	Understand < and > Understand the power ofthe = sign Solve balancing calculations Recognise and use number sentences writtenin different ways Solve missing number calculations What's the same? What's the difference? Questions
Measurement	Make comparisons between objects relating to size, length, weight and capacity. Time: Begin to describe a sequence of events, real of fictional, using words such as first, then	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] • capacity and volume [for example, full/empty, more than, lessthan, half, half full, quarter] • time [for example, quicker, slower, earlier, later] measure and beginto record the following: • lengths andheights • mass/weight • capacity and volume • time (hours, minutes, seconds) recognise and knowthe value of different denominations of coins and notes sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] recognise and use language relating to dates, including daysof the week, weeks, months and years • tell the time to the hour and half past the hour and draw the hands on a clockface to show these times	choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriateunit, using rulers, scales, thermometers and measuring vessels compare and order lengths, mass, volume/capacity and record the results using >, < and = recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular valuefind different combinations of coinsthat equal the same amounts of money solve simple problems in a practical context involving addition and subtraction of money ofthe same unit, includinggiving change compare and sequence intervals of time tell and write the time tofive minutes, including quarter past/to the hour and draw the hands on a clock face to show these times know the number of minutes in an hour andthe number of hours ina day	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) measure the perimeter of simple 2-D shapes add and subtract amounts of money to give change, using both £ and p in practical contexts tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hourclocks estimate and read time with increasing accuracyto the nearest minute; record and compare timein terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month, year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks]

Geometry – properties of shapes	Talk about and explore 2-D and 3-D shapes, circles, rectangles, cuboids, etc. using informal and mathematical language (sides, corners, straight, flat, round) Compose and decompose shapes so that children recognise a shape can haveother shapes within it, just as numberscan Select, rotate and manipulate shapes to develop spatial reasoning skills	recognise and name common 2-D and 3-Dshapes, including: 2-D shapes [forexample, rectangles (including squares), circles and triangles] 3-D shapes [forexample, cuboids (including cubes), pyramids and spheres]	identify and describethe properties of 2-D shapes, including thenumber of sides and line symmetry in a vertical line identify and describethe properties of 3-D shapes, including thenumber of edges, vertices and faces identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder anda triangle on a pyramid] compare and sort common 2-D and 3-Dshapes and everyday objects	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes indifferent orientations anddescribe them recognise angles as aproperty of shape or adescription of a turn identify right angles, recognise that two right angles make a half-turn, three make three quartersof a turn and four a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallellines
Geometry – position and direction	Understand position through words alone – "The bag is under the table" without pointing. Describe a familiar route Discuss routes and locations using words like 'in front of' and 'behind' Draw information from a simple map	describe position, direction and movement, includingwhole, half, quarter and three-quarter turns.	order and arrange combinations of mathematical objects inpatterns and sequences use mathematical vocabulary to describe position, direction and movement, including movement in a straightline and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)	Recap Y2 objectives and prepare for Y4 objectives
Statistics		Prepare for Y2objectives	interpret and construct simple pictograms, tallycharts, block diagrams and simple tables ask and answer simplequestions by counting the number of objects in each category and sorting the categories by quantity ask and answer questions about totalling and comparing categorical data	interpret and present datausing bar charts, pictograms and tables solve one-step and two- step questions [for example, 'How many more?' and 'How many fewer?'] using informationpresented in scaled bar charts and pictograms and tables