Dobcroft Infant School

Whole school maths curriculum map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Foundation	**Number and Place Value:** Place Value (numbers 1 to 5) **Addition and Subtraction:** Sorting into groups of colour, size or shape.	**Number and Place Value:** Comparing quantities of identical and non-identical objects. **Addition and Subtraction:** Change within 5 (1 more than, 1 less than). **Measurement:** Time (my day)	**Addition and Subtraction:** Number bonds to 5. **Number and Place Value:** Counting to 6, 7 and 8; counting to 9 and 10; comparing groups up to 10.	**Addition and Subtraction:** Combining two groups to find the whole; number bonds to 10 using a tens frame and part-whole model. **Geometry:** Shape and Space – spatial awareness; 2-D and 3-D shapes.	**Geometry:** Making simple patterns; exploring more complex patterns. **Addition and Subtraction:** Adding by counting on; taking away by counting back. **Number and Place Value:** Counting to 20.	**Multiplication and Division:** Doubling, halving and sharing; odds and evens. **Measurement:** Measure length, height and distance, weight, capacity using non-standard units. Develop language to describe and compare measurement.
Year 1	**Number:** Place Value (within 10) Sort, count and represent objects. Count, read and write forwards	**Number:** Addition and Subtraction (within 10); Part part whole models- missing number); PPW	**Number:** Addition and Subtraction (within 20) Add by counting on; Find & make number bonds;	**Measurement:** Compare lengths and heights using mathematical language; Measure length using	**Number:** Count in 10s; Make equal groups; Add equal groups; Make arrays; Make doubles;	**Number:** Place Value (within 100) - Count forwards and backwards within 100; Partition numbers into 10s and 1s; use the language less than, more than equal to and <, > and = to compare and order numbers;

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	and backwards (0 to 10), Count one more or less; One to one correspondence to compare groups; Introduce = , > and < , Compare and order numbers and objects; Ordinal numbers (1st, 2nd, 3rd ….)(MM). **Number:** Addition and Subtraction (within 10); Number bonds to 10; add together; add more;	addition and subtraction Subtraction: Taking away, how many left? Introducing the subtraction symbol; Fact families – The 8 facts (linking addition and subtraction) Subtraction: Counting back; Find the difference; Compare addition and subtraction statements. **Number:** Place Value (within 20) -Count forwards and backwards; write numbers to 20 in	Add by making 10. Subtraction – Not crossing 10; Subtraction – Crossing 10; Compare Number Sentences. **Number:** Place Value (within 50) Count forwards and backwards within to 50; Identify Tens and ones; Represent numbers to 50; One more one less; Compare objects within 50; Compare and order numbers within 50; Count in 2s; Count in 5s.	non-standard units and cm. **Measurement:** Weight and Volume - Introduce weight and mass; Measure mass using non-standard units; Compare mass. Introduce capacity; Measure capacity using non-standard units; Compare capacity.	Make equal groups – grouping; Make equal groups – sharing. **Number: Fractions** Halve shapes or objects; Halve a quantity; Find a quarter of a shape or object; Find a quarter of a quantity. **Geometry:** Position and direction - Describe quarter, half, three quarter and full turns; Describe the position of an	Find one more or less than given numbers to 100. **Measurement:** money - Recognise coins; Recognise notes; Count in coins. Time – tell the time to o'clock and half-past.

	find a part (missing numbers); Subtraction: Taking away, how many left? Introducing the subtraction symbol; Fact families – The 8 facts (linking addition and subtraction) Subtraction: Counting back; Find the difference; Compare addition and subtraction statements.	numerals and words; Represent numbers from 11 to 20; Tens and ones; Count one more and one less; Compare and order groups of objects; Compare and order numbers. **Geometry:** Shape - Recognise and name 3D shapes; Sort 3D shapes; Recognise and name 2D shapes; Sort 2D shapes; Patterns with 3D and 2D shapes.			object or shape.	

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Year 2	**Number:** Place value in numbers to 100; read and write numbers; represent numbers; partition numbers; compare and order numbers; count in 2s, 3s, 5s and 10s. **Number:** Addition and Subtraction - Bonds to 10, 20, 100 (tens); 10 more and 10 less; Add and subtract 10s;	**Addition and subtraction** Fact families Addition- crossing ten; add two 2-digit numbers Add a 2-digit and 1-digit number; Subtraction; Subtract a 1-digit number from a 2-digit number; crossing ten; subtract a 2-digit number from a 2-digit number Missing box Addition and subtraction equations **Multiplication and Division**	**Number: Addition and subtraction** Crossing ten barrier **Multiplication and Division -** Make equal groups – sharing; make equal groups – grouping; divide by 2; recognise odd & even numbers by halving; divide by 5; divide by 10. Make equal parts; recognise and find halves, thirds and quarters; recognise unit and non-unit fractions;	**Measurement:** Time –telling the time to o'clock and half-past; read and draw the time to quarter to and quarter past; read and show analogue time in 5 minute intervals (number: count in 5s to 60); hours in a day and minutes in an hour; convert minutes to hours and vice versa; find and compare durations of time. **Measurement:** Count money	M**easurement:** length and height - Measure length in cm and m; compare and order lengths; four operations with lengths. Mass – compare mass using < and >; order mass; measure mass in grams and kg; estimate mass. Capacity – compare capacity and volume; use the language of quarter, half and three quarters full;	**Measurement:** Time – recap telling the time to o'clock and half-past; read and draw the time to quarter to and quarter past; read and show analogue time in 5 minute intervals (number: count in 5s to 60); hours in a day and minutes in an hour; convert minutes to hours and vice versa; find and compare durations of time. **Recap fractions** **Investigations**

		Recognise, make and add equal groups; Write multiplication sentences using the × symbol; write multiplication sentences from pictures. Use arrays; 2 times-table; 5 times-table; 10 times-table. **Geometry: Properties of Shape** Recognise 2D and 3D shapes; recognise and describe properties of 2D shapes;	equivalence of one half and two quarters; find three quarters; count in fractions.	– pence and pounds (notes and coins); Select money; Make the same amount; Compare money; Find the total; Find the difference; Find change. **Statistics:** Make tally charts; draw and interpret pictograms and block diagrams. **Recap:** **4 calculations** **Properties shape**	measure capacity and volume in ml and litres. Temperature – recognise degrees Celsius as a measure of temperature; read thermometers labelled in multiples of 2, 5 and 10. **Position and direction (taught in maths moments & PE):** use language 'forwards', 'backwards', 'up', 'down', 'left' and 'right' to	

		recognise and describe properties of 3D shapes; draw 2D shapes; Lines of Symmetry; make patterns with 2D and 3D shapes.			describe movement in a straight line; write directions for a given route; describe quarter, half, three-quarter and full turns; use the terms clockwise and anti-clockwise; make patterns with shapes involving directions and turns. **Problem solving** – Missing box questions own activities for 2 weeks .	

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'To provide a foundation for fulfilled lives, inspiring confident and happy learners'

Enjoy learning	Try our best	Make good choices	Respect each other & our surroundings	Work together	Celebrate our successes