

Federation of Golden Flatts and Lynnfield Primary Schools

Maths Medium-Term Plan: Year 2

Autumn Term



	Place Value	Position & Direction	Addition & Subtraction	Statistics	Assessment
	3 weeks	2 weeks	7 weeks	2 weeks	1 week
National Curriculum	<ul style="list-style-type: none"> Read and write numbers to at least 100 in numerals and in words Read and write numbers to at least 100 in numerals and in words Identify, represent and estimate numbers using different representations, including the number line Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward Recognise the place value of each digit in a 2-digit number (tens, ones) Compare and order numbers from 0 up to 100; use and = signs 	<ul style="list-style-type: none"> Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise) 	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers adding three 1-digit numbers Compare and order numbers from 0 up to 100; use and = signs 	<ul style="list-style-type: none"> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables Ask and answer simple questions 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 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<ul style="list-style-type: none"> Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects & Compare numbers Order objects and numbers Count in 2s, 5s and 10s 	<ul style="list-style-type: none"> Language of position Describe movement Describe turns Describe movement and turns Shape patterns with turns 	<ul style="list-style-type: none"> Adding three addends including commutativity Addition bridging 10 – make 10 and then (adding with 9) Addition bridging 10 – make 10 and then (adding with 8) Addition bridging 10 – make 10 and then (adding with 7) Addition bridging 10 – make 10 and then (mixed) Addition bridging 10 – make 10 and then (mixed) Addition bridging 10 – near doubles Addition bridging 10 – near doubles Subtract bridge 10 using addition facts Subtract bridge 10 using addition facts Subtract bridge 10 – get back to ten and then (subtracting with 9) Subtract bridge 10 – get back to ten and then (subtracting with 8) Subtract bridge 10 – get back to ten and then (subtracting with 7) Subtract bridge 10 – get back to ten and then (mixed) Calculate the difference across 10 Calculate how much more across 10 TO + TO not bridging 10 (VF including money) TO + TO bridging 10 (VF including money) TO + TO bridging 10 (VF including money) TO – TO no exchange via splitting subtrahend TO – TO no exchange via splitting subtrahend TO – TO no exchange (VF including money) TO – TO with exchange (VF including money) TO – TO with exchange (VF including money) TO – TO with exchange (VF including money) Mixed addition and subtraction 	<ul style="list-style-type: none"> Make tally charts tables Block diagrams Interpret pictograms 1-2-1 Draw pictograms 1-2-1 Interpret pictograms 2, 10, 5 Draw pictograms 2, 10, 5 	

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Spring Term



	Multiplication & Division	Fractions	Time	Assessment
	4 weeks	4 weeks	3 weeks	1 week
National Curriculum	<ul style="list-style-type: none"> Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 	<ul style="list-style-type: none"> 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 $1/2$ 	<ul style="list-style-type: none"> Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clockface to show these times Know the number of minutes in an hour and the number of hours in a day 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<p>From Calculation Policy 1st NOI WR & Do CPA lessons</p> <ul style="list-style-type: none"> Recognize equal groups and make equal groups Add equal groups Calculation Policy concrete – multiplication & record as number sentences Calculation Policy pictorial – multiplication & record as number sentences Make equal groups – sharing and record as number sentences Make equal groups – grouping and record as number sentences X2 table Divide by 2 Doubling and halving Odd and even X10 table Divide by 10 X5 table Divide by 5 	<ul style="list-style-type: none"> Parts and wholes Equal and unequal parts Recognize a half Find a half Recognize a quarter Find a quarter Recognize a third Find a third Find the whole Unit fractions Non-unit fractions Recognize $1/2$ and $1/4$ equivalence – teacher assess (14) Recognize and find $3/4$ 	<ul style="list-style-type: none"> O'clock Half past Quarter past Quarter to Tell the time to 5 minutes past Tell the time to 5 minutes to Minutes in an hour Hours in a day 	



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Summer Term



	Measurement (Money)	Properties of Shape	Measurement (length & height)	Measurement (mass, capacity & temp)	Assessment
	3 weeks	3 weeks	2 weeks	3 weeks	1 week
National Curriculum	<ul style="list-style-type: none"> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change 	<ul style="list-style-type: none"> Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line Compare and sort common 2-D and 3-D shapes and everyday objects Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces Identify 2-D shapes on the surface of 3-D shapes 	<ul style="list-style-type: none"> 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 appropriate unit using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and = Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts 	<ul style="list-style-type: none"> 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 appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and = 	<ul style="list-style-type: none"> Test to be made by Maths lead to match what has been taught – do not just use WR End of Term Tests Day 1 do arithmetic test Day 2 go over and unpick the arithmetic test with loads of discussion – this must be given proper time Days 3 do reasoning test Day 4 go over and unpick the reasoning test with loads of discussion – this must be given proper time
Small Steps	<ul style="list-style-type: none"> Count pence Count pounds (notes and coins) Count money – pounds and pence Choose notes and coins Make the same amount Compare amounts Make a pound Find change 	<ul style="list-style-type: none"> Recognize 2d shapes Properties of 2d shapes Sort 2d shapes based on properties Draw 2d shapes Lines of symmetry Recognize 3d shapes Properties of 3d shapes Sort 3d shapes based on properties Patterns with 2d and 3d shapes 	<ul style="list-style-type: none"> Measure in cm Measure in m Compare lengths and heights Order lengths and heights Calculate with lengths and heights 	<ul style="list-style-type: none"> Compare mass measure in grams Measure in kg Calculate mass Compare capacity measure in millilitres Measure in litres Calculate capacity Interpret temperature scales 	