Year 2 Maths Medium Term Planning

Autumn 1		Autumn 2	
Number: Place Value (3 weeks)	Number: Addition and Subtraction (5 weeks)	Measurement: Money (2 weeks)	Number: Multiplication & Division (2 weeks)
•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 a two-digit number (tens, ones) • identify, represent and estimate numbers using different representations, including the number line • compare and order numbers from 0 up to 100; use <, > and = signs • read and write numbers to at least 100 in numerals and in words •use place value and number facts to solve problems.	•solve problems with addition 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 - a two-digit number and tens -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 another cannot •recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	•recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value •combine amounts to make a particular value • find different combinations of coins that equal the same amounts of money •solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	•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 (×), 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.

Year 2 Maths Medium Term Planning

Vocabulary: ones tens, hundreds digit one-, two- or three-digit number place, place value stands for, represents exchange the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more one less, ten less equal to compare order size first, second, third … twentieth twenty-first, twenty-second … last, last but one before, after next between halfway between above, below	**Vocabulary:** addition add, more, and make, sum, total altogether double near double half, halve one more, two more … ten more … one hundred more how many more to make …? how many more is … than …? how much more is …? subtract take away how many are left/left over? how many have gone? one less, two less, ten less … one hundred less how many fewer is … than …? how much less is …? difference between equals is the same as number bonds/pairs/facts tens boundary	**Vocabulary:** money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much …? how many …? total	**Vocabulary:** multiplication multiply multiplied by multiple groups of times once, twice, three times … ten times repeated addition division dividing, divide, divided by, divided into grouping sharing, share, share equally left, left over one each, two each, three each … ten each group in pairs, threes … tens equal groups of doubling halving array row, column number patterns multiplication table multiplication fact, division fact

Year 2 Maths Medium Term Planning

Year 2 Maths Medium Term Planning

Spring 1			Spring 2		
Number: Multiplication and Division (2 weeks)	Statistics (2 weeks)	Geometry: Properties of Shape (2 weeks)	Number: Fractions (4 weeks)	Measurement: Length and height (1 week)	Geometry: Position and direction (1 week)
• 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 (×), 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	•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.	•order and arrange combinations of mathematical objects in patterns and sequences •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).	•recognise, find, name and write fractions 1/3, $\frac{1}{4}$, 2/4 and $\frac{3}{4}$ 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	• choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); nearest appropriate unit, using rulers •compare and order lengths, mass, volume/capacity and record the results using >, < and =	•order and arrange combinations of mathematical objects in patterns and sequences •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).

Year 2 Maths Medium Term Planning

contexts.					
Vocabulary: See vocabulary Autumn Term	**Vocabulary:** count, tally, sort, vote graph, block graph, pictogram represent group, set list, table label, title most popular, most common least popular, least common	**Vocabulary:** shape, pattern flat curved, straight round hollow, solid sort make, build, draw surface size bigger, larger, smaller symmetry, symmetrical, symmetrical pattern line symmetry pattern, repeating pattern match **2-D shape** corner, side point, pointed rectangle (including square), rectangular circle, circular triangle, triangular pentagon hexagon octagon **3-D shape**	**Vocabulary:** fraction equivalent fraction mixed number numerator, denominator equal part equal grouping equal sharing parts of a whole half, two halves one of two equal parts quarter, two quarters, three quarters one of four equal parts one third, two thirds one of three equal parts	**Vocabulary:** measure measurement size compare measuring scale guess, estimate enough, not enough too much, too little too many, too few nearly, close to, about the same as roughly just over, just under centimetre, metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher … and so on longest, shortest, tallest, highest … and so on far, further, furthest, near, close	**Vocabulary:** position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right, up, down higher, lower forwards, backwards, sideways across next to, close, near, far along through

Year 2 Maths Medium Term Planning

		face, edge, vertex, vertices cube, cuboid pyramid sphere cone cylinder		ruler metre stick, tape measure	to, from, towards, away from clockwise, anticlockwise movement slide roll turn stretch, bend whole turn, half turn, quarter turn, three-quarter turn right angle straight line

Year 2 Maths Medium Term Planning

Summer 1			Summer 2	
Number: Addition and Subtraction (2 weeks)	Measurement: Time (2 weeks)	Number: Fractions (2 weeks)	Number: Multiplication and Division (3 weeks)	Measurement: Mass, Capacity and Temperature (3 weeks)
•solve problems with addition 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 - a two-digit number and tens -two two-digit numbers -adding three one-digit numbers	•compare and sequence intervals of time • tell and write the time to five 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 and the number of hours in a day	•recognise, find, name and write fractions 1/3, $\frac{1}{4}$, 2/4 and $\frac{3}{4}$ 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	• 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 (×), 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.	•choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels •compare and order lengths, mass, volume/capacity and record the results using >, < and =

Year 2 Maths Medium Term Planning

• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot •recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.				
Vocabulary: See vocabulary Autumn Term	**Vocabulary:** time days of the week, Monday, Tuesday … months of the year (January, February …) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year birthday, holiday morning, afternoon, evening, night bedtime, dinnertime, playtime today, yesterday, tomorrow before, after earlier, later	**Vocabulary:** See Spring Term	**Vocabulary:** See Autumn and Spring Term	**Vocabulary:** **Weight** kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales **Capacity and volume** litre, half litre, millilitre capacity volume full empty more than less than half full quarter full

Year 2 Maths Medium Term Planning

	next, first, last midnight date now, soon, early, late quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time how long ago? how long will it be to …? how long will it take to …? how often? always, never, often, sometimes usually once, twice hour, o'clock, half past, quarter past, quarter to 5, 10, 15 … minutes past, clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds			holds, contains container **Temperature** temperature degree

Year 2 Maths Medium Term Planning

Year 2 Maths Medium Term Planning