Overview of Year 2 Maths Planning- Western Downland Primary School

Year 2	Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measurement	Geometry		Statistics
						Properties of shape	Position and	
Fluency Reasoning Problem solving	□ use place value and number facts to solve problems	□ solve problems with addition and subtraction	□ solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods,		□ solve simple problems in a practical context involving addition and subtraction of money of the same unit,			
Phase 1	□ count in steps of 2, from 0,and in tens from any number, forward or 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	□ solve problems with addition and subtraction: □ using concrete objects and pictorial representations, including those involving numbers. □ applying their increasing knowledge of mental and written methods □ recall and use addition and subtraction facts to 20 fluently. □ add and subtract numbers using concrete objects, pictorial representations, and mentally, including: □ a two-digit number and ones □ a two-digit number and tens	□ recall and use multiplication and division facts for the 2, and 10 multiplication tables, including recognising odd and even numbers □ show that multiplication of two numbers can be done in any order (commutative) □ solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods,	□ recognise, find, name and write fractions $^1/_3$, $^1/_4$,	□ compare and order lengths, record the results using >, < and = □ 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, □ compare and sequence intervals of time	• identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line • identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid	• order and arrange combinations of mathematical objects in patterns	
Phase 2	□ count in steps of 5 from 0 from any number, forward or backward □ read and write numbers to at least 100 in words □ use place value and number facts to solve problems.	□ using concrete objects and pictorial representations, including those involving measures □ 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	□ recall and use multiplication and division facts for the 5 multiplication tables, including recognising odd and even numbers □ calculate mathematical statements for multiplication using the multiplication (×), and equals (=) signs	□ recognise, find, name and write fractions $^2/_4$ and $^3/_4$ of a length, shape, set of objects or quantity	□ choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);using rulers □ 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 □ tell and write the time 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	• identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces	• use mathematical vocabulary to describe position, direction and movement, including movement in a straight line	• ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
Phase 3	□ count in steps of 3 from 0 from any number, forward or backward	□ using concrete objects and pictorial representations, including those involving quantities □ 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: two-digit numbers □ recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.	□ calculate mathematical statements for division within the multiplication tables and write them using division (÷) □ 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 facts, including problems in contexts.	□ write simple fractions e.g. $^1/_2$ of 6 = 3 and recognise the equivalence of $^2/_4$ and $^1/_2$.	□ choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales thermometers and measuring vessels □ compare and order mass, volume/capacity and record the results using >, < and = □ tell and write the time to 5 minutes	• compare and sort common 2-D and 3-D shapes and everday objects.	• and distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)	• interpret and construct simple pictograms, tally charts, block diagrams and simple tables • ask and answer questions about totalling and comparing categorical data