| Progressive Maths Curriculum | | |
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| Foundation Stage | Year 1 | Year 2 |
| Numbers uses some number names and number language spontaneously uses some number names accurately in play recites numbers in order to 10 knows that numbers identify how many objects are in a set beginning to represent numbers using fingers, marks on paper or pictures sometimes matches numeral and quantity correctly shows curiosity about numbers by offering comments or asking questions compares two groups of objects, Saying when they have the same number shows an interest in number problems separates a group of three or four objects in different ways, beginning to recognise that the total is still the same shows an interest in representing numbers realises not only objects, but anything can be counted, including steps, claps or jumps recognise some numerals of personal significance recognises one numerals of personal significance recognises one numerals of personal significance recognise some numerals to represent 1 to 5, then 1 to 10 objects counts out up to six objects they can see and checks by counting them uses the language of 'more' and 'fewer' to compare two sets of objects then ten objects then ten objects in practical activities and discussion, beginning to use the vocabulary involved in adding and subtracting records, using marks that they can interpret and explain begins to identify owith numbers from 1 to 20, place them in order and say which number is one more or one less than a given number children count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number using quantities and objects, they add and subtracting records, using marks that they can interpret and explain | Number and place value counting in steps of 1, 2, 5 and 10 forwards and backwards from different starting points within 100 reading and writing numbers to 100 in digits, and numbers to 20 in words as well identifying one more and one less than a number within 100 identifying and representing numbers using objects and pictorial representations including the number line using the language of: equal to, fewer, more than, less than, most and least Calculation reading, writing, interpreting and solving mathematical statements involving addition, subtraction, multiplication and division representing and using number bonds and related subtraction facts within 20 Fractions recognising, finding and naming a half as one of two equal parts of an object, shape or quantity, and a quarter as one of four equal parts of an object, shape or quantity | Number and Place Value 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 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 Addition and Subtraction ousing 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 tens two two-digit numbers a two-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 subtractions and solve missing number problems Multiplication and bue this to check calculations and solve missing number problems Multiplication tables, including recognising odd and even numbers calculate mathematical statements for multiplication and division within the multiplication of two numbers can be done in any order (commutative) 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 of two numbers can be done in any order (commutative) and division facts, including problems in contexts |

| Shane share and measures | Geometry – Properties of shapes | Geometry – Properties of Shape |
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| Shape, space and measures shows an interest in shape and space by playing with shapes or making arrangements with objects shows awareness of similarities of shapes in the environment uses positional language shows interest in shape by sustained construction activity or by talking about shapes or arrangements shows interest in shapes in the environment uses shapes appropriately for tasks beginning to talk about the shapes of everyday objects, e.g. <i>'round'</i> and '<i>tall'</i> beginning to use mathematical names for 'solid' 3D shapes and 'flat' 2-D shapes, and mathematical terms to describe shapes selects a particular named shape can describe their relative position such as '<i>behind</i>' or '<i>next to</i>' orders two or three items by length or height orders two items by weight or capacity uses familiar objects and common shapes to create and recreate patterns and build models uses everyday language related to time beginning to use everyday language related to money orders and sequences familiar events measures short periods of time in simple ways children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems they recognise, create and describe patterns they explore characteristics of everyday objects and shapes and use mathematical language to describe them | recognise and name common 2D and 3D shapes including rectangles, squares, circles, triangles, cuboids, cubes, pyramids and spheres Geometry – Position and direction describe position, directions and movements, including half, quarter and three-quarter turns | identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line 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 [for example, a circle on a cylinder and a triangle on a pyramid] compare and sort common 2-D and 3-D shapes and everyday objects Geometry – Position and Direction order and arrange combinations of mathematical objects in patterns and sequences use mathematical vocabulary to describe position, direction and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise) |
| | Measurement comparing, describing and solving practical problems for length, height, mass, weight, capacity, volume and time, and using related vocabulary measuring and beginning to record length, height, mass, weight, capacity, volume and time recognising and knowing the value of different denominations of coins and notes sequencing events in chronological order and using related vocabulary telling the time to the hour and half past the hour and draw the hands on a clock face to show these times | Measurement 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 = recognise and use symbols for pounds (£) and pence (p); 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 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 |
| | | In a day Statistics 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 |