Year 2 Maths Objectives

1. Number (Year 2)	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name
2.1.1 Read and write numbers to at least 100 in numerals and in words.																															
2.1.2 Recognise the place value of each digit in a 2 digit number (tens and ones)																															
2.1.3 Identify, recognise and estimate numbers using different represenations including the number line																															
2.1.4 Compare and order numbers from 0 up to 100; use < > and = signs.																															
2.1.5 Use place value and number facts to solve problems																															
2.1.6 Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.																															
2.1.7 Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.																															
2.1.8 To add 2, 2-digit numbers within 100 , demonstrating their method using concrete apparatus or pictorial representations. E.G Numberline																															
2.1.9 Subtract two-2 digit numbers using concrete objects and pictorial representations. (bar model)																															
2.1.10 To understand subtraction as finding the difference by counting on and using a numberline																															
2.1.11 Add and subtract numbers mentally including: 2-digit numbers & ones E.G 45+7 = or 67-9=																															
2.1.12 Add and subtract numbers mentally including: 2-digit numbers & tens E.G 78+30= or 98-30=																															
2.1.13 Add and subtract numbers mentally including: two 2-digit numbers E.G 45+67= or 76-34=																															
2.1.14 Add and subtract numbers mentally including: adding three 1-digit numbers E.G 6+9+4 =																															
2.1.15 Show that addition of two numbers can be done in any order (commutative) and subtraction of one number by another cannot.																															
2.1.16 Show that multiplication of two numbers can be one in any order (commutative) and division of one number by another cannot.																															
2.1.17 Solve problems with addition and subtraction: using concrete objects and pictoral represeantions, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods																															
2.1.18 Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.																															
2.1.19 Recall and use multiplication and division facts for the 2, 5 and 10 tables, including recognising odd and even numbers																															
2.1.20 Calculate the mathematical statements for multiplication and division within the multiplication tables and write them using the x ÷ = signs.																															
2.1.21 Solve problems involving multiplication and division, using material, arrays, repeated addition, mental mthods and multiplication and division facts, including problems in context																															
2.1.22 Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity and knows all parts must be equal parts of the whole																															

2.1.23 Recognise and demonstrate the equivalence of 1/2 and 2/4																															
2.1.24 To use estimation to check reasonable answers to a calculation																															
2.1.25 Halve any even 2-digit number up to 80																															
2.1.26 Find 1/10 more/less than a given number up to 50 and beyond																															
2. Measure	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name
2.2.1 Recognise & use symbols for pounds (£) and pence (p); combine amounts to make a particular value.																															
2.2.2 Find different ways of making the same amount (up to £5 using coin combinations.)																															
2.2.3 Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.																															
2.2.4 Add and subtract monetary values and find change from £1 or £2																															
2.2.5 Choose and use appropriate standard units to estimate and measure:																															
2.2.6 -length/height in any direction (m/cm)																															
2.2.7 -mass (kg/g)																															
2.2.8 -temperature (°C)																															
2.2.9 capacity (l/ml)																															
2.2.10 Measure to the nearest appropriate unit, using, thermometers																															
2.2.11 Know that 100ºC is boiling point of water																															
2.2.12 Measure liquid accurately to the nearest litre and 50 ml																															
2.2.13 to read scales in divisions of ones,twos,fives and tens																															
2.2.14 Order different lengths using cm and m																															
2.2.15 Order different weights using g and kg																															
2.2.16 Name objects that weigh more/less than 1kg, 5kg etc.																															
2.2.17 Tell the time to five minutes including quarter past/to the hour & draw the hands on a clock face to show these times.																															
2.2.18 Write the time to quarter past/to the hour and half past draw the hands on a clock face to show these times.																															
2.2.19 Know the number of minutes in an hour and the number of hours in a day																															
2.2.20 Compare and sequence intervals of (1 hour longer, 10 minutes before etc)																															
3. Geometry, position and direction	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name
2.3.1 Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.																															
2.3.2 Identify and describe the properties of 3D shapes, including the number of edges, vertices & faces.																															
2.3.4 Identify 2D shapes on the surface of 3D shapes																															

2.3.5 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)																														
2.3.6 Compare and sort common 2D and 3D shapes and everyday objects.																														
2.3.7 Use the terms edge, vertex/vertices and face accurately																														
2.3.8 Make symmetrical patterns and shapes																														
2.3.9 Compare and sort a set of triangles and pyramids recognising their similarities and differences																														
4. Statistics	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name
2.4.1 Interpret and construct:																														
2.4.2 -pictograms																														
2.4.3 -tally charts																														
2.4.4 -block diagrams																														
2.4.5 -simple tables																														
2.4.6 Ask and answer simple questions by counting the numbers of objects in each category and sorting the categories by quantity.																														
2.4.7 Ask and answer questions about totalling and comparing categorical data.																														
5. Greater Depth Statements	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name	name
2.5.1 use multiplication facts to make deductions outside known multiplication facts																														
2.5.2 to work out mental calculations where regrouping is required																														
2.5.3 to solve complex missing number problems																														
2.5.4 to determine reminders given known facts																														
2.5.5 to solve word problems that involve more than one step																														
2.5.6 recognise the relationships betwenn addition and subtraction and re-write addition statements as simplified multiplication																														
2.5.7 to find and compare fractions of amounts																														
2.5.8 to read times to the nearest 5 minutes																														
2.5.9 To reason about addition. E.G Why was this total achieve? Explain																														
2.5.10 Count reliably up to 1000 in 2s, 5s and 10s																														
2.5.11 Count on and back in multiples of 4 and 8 from any given number to beyond 1000																														
2.5.12 Count on and back in multiples of 25, 50 and 100, from any given number to beyond 1000																														
2.5.13 Add and subtract fractions with a common denominator																														
2.5.14 Apply knowledge of number up to 100 to solve a one-step problem involving a addition, subtraction and simple multiplication and division																														
2.5.15 Apply knowledge of addition and subtraction to pay for items, up to £10, within a problem solving context																														
2.5.16 Add and subtract two 2-digit and numbers to 100																														

2.5.17 Use an appropriate strategy to add and subtract numbers that move between and through 100, eg, 97 + 7; 103 - 8																															
2.5.18 Know about right angles and where they can be seen in the environment																															
2.5.19 Tell time to 5 minute intervals in both analogue and digital and relate one to the other																															
2.5.20 Measure, compare, add and subtract using common metric measures																															