Year 3 Maths Objectives

1. Number (Year 3)	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
3.1.1. Identify, represent and estimate numbers using different representations																															
3.1.2 Find 10 or 100 more or less than a given number.																															
3.1.3 Recognise the place value of each digit in a 3 digit number																															
3.1.4 Compare and order numbers up to 1000																															
3.1.5 Read and write numbers to 1,000 in numerals and words																															
3.1.6 Solve number problems and practical problems involving the aboe ideas																															
3.1.7 Count from 0 in multiples of 4 and 8																															
3.1.8 Count from 0 in multiples of 50 and 100.																															
Add and subtract numbers mentally, including:																															
3.1.10 3 digit numbers & ones (365+5)																															
3.1.11 3-digit numbers & tens (365+10)																															
3.1.12 3-digit numbers & hundreds (365 +432)																															
3.1.13 Add numbers with up to 3 digits, using formal written methods of columnar addition.																															
3.1.14 Subtract numbers with up to 3 digit, using formal written methods of columnar subtraction.																															
3.1.15 Estimate the answer to a calculation and use the inverse operations to check answers.																															
3.1.16 Solve problems including missing number problems, place value and more complex addition and subtraction.																															
3.1.17 Recall and use the multiplication and division facts for the 3, 4 and 8 tables.																															
3.1.18 Write and calculate mathematical statements for multiplication using known multiplication tables, including 2-digit x 1-digit, using mental and progressing to formal written methods.																															
3.1.19 Write and calculate mathematical statements for multiplication and division using known multiplication tables, including use of money and length																															
3.1.20 Solve problems, including missing number probloems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are conntected to m objectives.																															
3.1.21 Count up and down in tenths; recognise that tenths arise from dividing an object into ten equal parts and in dividing numbers or quantities by 10.																															
3.1.22 Recognise and use fractions as numbers: unit fractions and non unit fractions with small denominators.																															
3.1.23 Recognise, find and write fractions of a discrete set of objects: unit fractions & non-unit fractions with small denominators.																															
3.1.24 Recognise and show, using diagrams, equivalent fractions with small denominators.																															
3.1.25 Compare and order unit fractions, and fractions with the same denominators.																															
3.1.26 Add and subtract fractions with the same denominator within one whole.																															
3.1.27 Solve problems that involve all of the fraction objectives above																															
3.1.28 Add and subtract measures (length, weight and volume) with up to 3 digits, using formal written methods of columnar addition and subtraction.																															

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
3.2.1 Add and subtract amounts of money to give change using both £ and p in practical contexts.																														
3.2.2 Measure, compare, add & subtract:																														
3.2.3 -lengths (m/cm/mm)																														
3.2.4 -mass (kg/g)																														
3.2.5 -volume/ capacity (l/ml).																														
3.2.6 Measure the perimeter of simple 2D shapes.																														
3.2.7 Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12 and 24 hour clocks																														
3.2.8 Estimate and read time with increasing accuracy to the nearest minute;																														
3.2.9 Record and compare time in terms of seconds, minutes, hours.																														
3.2.10 Use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.																														
3.2.11 Know the numbers of seconds in a minute and the number of days in each month, year and leap year.																														
3.2.12 Compare durations of events, for example to calculate time taken by particular events or tasks.																														
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
3.3.1 Recognise angles are a property of shape or a description of a turn.																														
3.3.2 Identify right angles; recognise that two right angles make a half-turn, three make three quarters & four a complete turn																														
3.3.3 Identify whether angles are greater than or less than a right angle																														
3.3.4 Identify horizontal and vertical lines and pairs of perpendicular & parallel lines.																														
3.3.5 Draw 2D shapes																														
3.3.6 Make 3D shapes using modelling materials																														
3.3.7 Recognise 3D shapes in different orientations; & describe them																														
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
3.4.1 Interpret and present data using:																														
3.4.2 -bar charts																														
3.4.3 -pictograms																														
3.4.4 -tables																														
3.4.5 Read and present information from a bar chart that has a scale on the vertical axis																														
3.4.6 Solve 1-step and 2-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts pictograms and other graphs																														
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
3.5.1 Recognise the value of each digit in a 4-digit number and the value of a tenth																														

3.5.2 Know all multiplication facts up to 10 x 10 and be able to instantaneously answer questions such as, how many 7s in 42?																															
3.5.3 Add and subtract numbers with any number of digits using formal written methods																															
3.5.4 Begin to have an understanding about negative numbers recognising they are smaller than zero																															
3.5.5 Multiply and divide any 2-digit number by a single digit number and have an understanding of 'remainder'																															
3.5.6 Can find fractional values (from ½ to 1/10)of amounts up to 1000																															
3.5.7 Use knowledge of number to solve problems related to money, time and measures																															
3.5.8 Know that the total internal angles of a triangle measure 180° and can measure each																															
3.5 9 Can relate knowledge of time to problems related to timetables																															
3.5.10 Measure, compare, add and subtract more complex problems using common metric measures set out in Kg, g; Kl, l; Km and m, etc.																															