



Year 2 Mathematics Progressive Programme of study

Number

Measure

Geometry

Statistics

Ready To Progress Criteria

Year 2 Autumn	<u>Number: Place Value</u> - count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward <i>recognise the place value of each digit in a two-digit number (tens, ones)</i> <i>identify, represent and estimate numbers using different representations, including the number line</i> - 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. <i>Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.</i>	<u>Number: Addition and subtraction</u> - 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 <i>Secure fluency in addition and subtraction facts within 10, through continued practice.</i> - recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 <i>Add and subtract across 10.</i> <i>Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more...?"</i> <i>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</i> <i>a two-digit number and ones</i> <i>a two-digit number and tens</i> <i>two two-digit numbers</i> 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.	<u>Measurement: Money</u> - 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	<u>Measurement: Length and Height</u> - choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); to the nearest appropriate unit, - using rulers to compare and order lengths - record the results using >, < and =	Consolidation & Assessment
Year 2 Spring	<u>Number: Multiplication and Division</u> <i>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</i> <i>Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.</i> - calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), 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 <i>Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division).</i> - solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	<u>Number: Fractions</u> - recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$ of a length, shape, set of objects or quantity - write simple fractions for example, $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.	<u>Measurement: Mass, capacity and temperature</u> - choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C) and 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 =	<u>Statistics</u> - interpret and construct simple pictograms, tally charts, block diagrams and simple tables (simple ratios 2, 5, 10) - 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.	Consolidation & Assessment



Year 2 Mathematics Progressive Programme of study

Number

Measure

Geometry

Statistics

Ready To Progress Criteria

Year 2 Summer	<u>Measurement: Time</u> - 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.	<u>Geometry: Position and Direction</u> - 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 anti-clockwise).	<u>Geometry: Properties of Shape</u> - 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.	Consolidation of curriculum through investigative problem solving and efficient methods
------------------	---	--	---	---