

Meadgate Primary School Progression of Skills by Year Group

Maths

Year 2	
Place Value Counting	Can they count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward?
Place Value Representing	Can they read and write numbers to at least 100 in numerals and words? Can they identify, represent and estimate numbers using different representations, including the number line?
Place Value Use PV and Compare	Can they recognise the place value of each digit in a two-digit number (tens and ones)? Can they compare and order numbers from 0 up to 100? Can they use $<$, $>$ and $=$ signs?
Place Value Problems and Rounding	Can they use place value and number facts to solve problems?
Addition and Subtraction Recall, Represent, Use	Can they recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100? Can they show that addition of two numbers can be done in any order (commutative) and subtraction from one number to another cannot? Can they recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems?
Addition and Subtraction Calculations	Can they add and subtract numbers using concrete objects, pictorial representations and mentally, including ones and tens?
Addition and Subtraction Solve Problems	Can they solve problems with addition and subtraction? Can they use concrete objects and pictorial representations, including those involving numbers, quantities and measures? Can they apply their increasing knowledge of written and mental methods?
Multiplication and Division Recall, Represent, Use	Can they recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers? Can they show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot?
Multiplication and Division Calculations	Can they calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times) and division (\div) and equals ($=$) signs?

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Multiplication and Division Solve Problems	Can they solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts?
Algebra	Can they recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems?
Fractions Recognise and Write	Can they 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?
Fractions Compare	Can they recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$?
Fractions Calculations	Can they simple fractions (for example $\frac{1}{2}$ of $6 - 3$)?
Geometry 2D Shapes	Can they identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line? Can they identify 2D shapes on the surface of 3D shapes (for example a circle on a cylinder and a triangle on a pyramid)? Can they compare and sort common 2D shapes and everyday objects?
Geometry 3D Shapes	Can they recognise and name common 3D shapes including cuboids (including cubes), pyramids and spheres? Can they compare and sort common 3D shapes and everyday objects?
Geometry Position and Direction	Can they order and arrange combinations of mathematical objects in patterns an sequences? Can they use mathematical vocabulary to describe position, direction and movement, including moment 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)?
Measurement Using Measures	Can they choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm), mass (kg/g), temperature ($^{\circ}\text{C}$) and capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. Can they compare and order lengths, mass, volume, capacity and record the results using $>$, $<$ and $+$.

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Measurement Money	Can they recognise and use symbols for pounds and pence; combine amounts to make a particular value? Can they find different combinations of coins that equal the same amounts of money? Can they solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change?
Measurement Time	Can they compare and sequence intervals of time? Can they 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? Do they know the number of minutes in an hour and the number of hours in a day?
Statistics Present and Interpret	Can they interpret and construct simple pictograms, tally charts, block diagrams and simple tables?
Statistics Solve Problems	Can they ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity? Can they ask and answer questions about totalling and comparing categorical data?