

Primary National Framework 2014: MATHEMATICS

PROGRAMMES OF STUDY: MATTERS, SKILLS AND PROCESSES **YEAR 1**

NUMBER					GEOMETRY	
Number and place	Addition and	Multiplication and	Fractions	MEASUREMENT	Properties of shape	STATISTICS
Value	Subtraction	Division			_	
Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens. Given a number, identify one more and one less. Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Read and write numbers from 1 to 20 in numerals and words.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one digit and two-digit numbers to 20, including zero. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, such as: 7 = 9	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	Recognise, find and name half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	Compare, describe and solve practical problems for: • Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half) • Mass or weight (e.g. heavy/ light, heavier than/ lighter than) • Capacity/volume (e.g. full/empty, more than, less than, half, half full, quarter) • Time (e.g. quicker, slower, earlier, later) • Recognise and know the value of different denominations of coins and notes. Sequence events in chronological order using language (e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening). Recognise and use language relating to dates, including days of the week, weeks, months and years. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	Recognise and name common 2_D and 3-D shapes, including: • 2-D shapes (e.g. rectangles (including squares), circles and triangles) • 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres). Position, Direction and Movements Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	Begin to interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Begin to ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Begin to ask and answer questions about totalling and comparing categorical data.