	Grade 2
Number	• Order, add and subtract positive and negative integers within contexts • Round decimals to the nearest integer • Multiply & divide any integer or decimal by powers of 10 • Understand and use decimal notation and place value • Add and subtract decimals, including those with differing number of decimal places • Use written methods to multiply & divide up to three-digit numbers by a two-digit number • Multiply & divide decimals with up to two places by single-digit whole numbers • Use a calculator to calculate square and cube roots • Identify and calculate highest common factors and lowest common multiples in contexts • List and simplify equivalent fractions • Express one number as a fraction of another and simplify • Convert between fractions, decimals and percentages • Calculate percentages of amounts
Algebra	• Plot coordinates in all four quadrants • Identify, expressions, terms, equations and formulae • Simplify linear expressions • Multiply terms including single brackets by a positive integer • Calculate a term-to-term rule and continue a sequence • Generate sequences from patterns • Show inequalities on a number line • Give numbers that satisfy inequalities • Calculate the input and output of function machines (positive integers only)
Ratio and Proportion	• Convert between metric units • Write and interpret a ratio given a diagram or context • Solve proportion problems using the unitary method • Compare products to work out best buy using simple proportions • Calculate speed, distance and time given situations • Solve ratio problems involving recipes
Geometry	• Identify and calculate angles on a straight line, around a point and vertically opposite • Measure and draw angles to nearest degree • Construct a triangle given sides and angles • Calculate missing angles in triangles and quadrilaterals • Identify properties of 3D shapes • Identify and construct nets of common 3D shapes • Draw plans and elevations of 3D shapes • Draw a 3D shape from plans and elevations • Reflect, translate and rotate a shape • Classify quadrilaterals and triangles given their properties • Calculate the area and perimeter of rectangles/squares/triangles • Calculate area and perimeter of compound shapes involving rectangles
Statistics	• Draw and interpret frequency diagrams for discrete and continuous data • Calculate the mode, median, mean and range from sets of data • Draw and interpret line graphs
Probability	• Understand and use the probability scale from 0 to 1 • Write probabilities in words or fractions, decimals and percentages • Calculate the probability of an event happening using theoretical probability • List all outcomes using dice, spinners and coins • Calculate the probability of an event happening using relative frequency