

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	<p>Number: Place Value including Decimals and Algebra</p> <ul style="list-style-type: none"> read, write, order and compare numbers up to 10,000,000 and determine the value of each digit <i>identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places</i> count forwards and backwards in steps of integers, decimals or powers of 10 for any number <i>find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number</i> <i>identify, represent and estimate numbers using the number line</i> <i>Describe and extend number sequences, inconsistent steps, alternating steps and those where the step size is a decimal</i> Generate and describe linear number sequences round any whole number to a required degree of accuracy <i>round decimals with three places to the nearest whole number or one or two decimal places</i> order and compare numbers including integers, decimals and negative numbers use negative numbers in context, and calculate intervals across 0 <i>calculate differences in temperature, including those that involve a positive and negative temperature</i> <i>complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers and shapes)</i> solve number and practical problems that involve all of the above 						<p>Number: Addition, Subtraction, Multiplication and Division including Measurement and Algebra</p> <ul style="list-style-type: none"> multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context perform mental calculations, including with mixed operations and large numbers <i>choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use jotting, written method)</i> identify common factors, common multiples and prime numbers use their knowledge of the order of operations to carry out calculations involving the 4 operations solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why use simple formulae express missing number problems algebraically find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places convert between miles and kilometres recognise that shapes with the same areas can have different perimeters and vice versa recognise when it is possible to use formulae for area and volume of shapes calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units (for example, mm³ and km³) solve problems involving addition, subtraction, multiplication and division including decimals use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy 							

Year 6

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Spring	<p>Number: Fractions including Decimals and Percentages</p> <ul style="list-style-type: none">identify common factors, common multiples and prime numbersuse common factors to simplify fractions; use common multiples to express fractions in the same denominationcompare and order fractions, including fractions > 1add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractionsmultiply simple pairs of proper fractions, writing the answer in its simplest formdivide proper fractions by whole numbersassociate a fraction with division and calculate decimal fraction equivalentssolve problems involving fractionsidentify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal placesmultiply one-digit numbers with up to two decimal places by whole numbersuse written division methods in cases where the answer has up to two decimal placessolve problems which require answers to be rounded to specified degrees of accuracyrecall and use equivalences between simple fractions, decimals and percentages, including in different contexts<i>find simple percentages of amounts</i>						<p>Ratio and proportion</p> <ul style="list-style-type: none">solve problems involving the relative size of two quantities where missing values can be found by using integer multiplication and division factssolve problems involving the calculation of percentages (for example, of measures such as 15% of 360) and the use of percentages for comparisonsolve problems involving similar shapes where the scale factor is known or can be foundsolve problems involving unequal sharing and grouping using knowledge of fractions and multiples <p>Geometry – Properties of Shapes</p> <ul style="list-style-type: none">draw 2-D shapes using given dimensions and anglesrecognise, describe and build simple 3-D shapes, including making netscompare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons<i>complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers and shape)</i>illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radiusrecognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing anglesdescribe positions on the full coordinate grid (four quadrants)draw and translate simple shapes on the coordinate plane, and reflect them in the axes								

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Summer	Statistics <ul style="list-style-type: none"> interpret and construct pie charts and line graphs and use these to solve problems <i>solve comparison, sum and difference problems using information presented in all types of graph</i> calculate and interpret the mean as an average 													