

Number- Place value						
Secure	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum2
I can read, write, order and compare numbers to 10,000,000 and know the value of each digit						
I can round any whole number to anything I am asked to						
I can use negative numbers						
I can solve number and practical problems on all of the above						
Greater depth						
I can say, read and write any number						
Number- addition, subtraction, multiplication and division						
Secure						
I can multiply up to a 4 digit number by a 2 digit number						
I can divide up to a 4 digit number by a 2 digit number using a bus stop method						
I can round a number in a division calculation as needed						
I can mentally calculate answers using larger numbers						
I can identify common multiples						
I can identify common factors						
I can identify prime numbers						
I can use the rules of BODMAS to solve calculations						
I can solve multi-step word problems with the 4 operations						
I can solve problems using the 4 operations						
I can use estimation to check my answers						
Greater depth						
I can calculate mentally with larger numbers						
I know my times tables fluently and can use them to solve problems						
I can round my answers accurately						
I can explore more complex BODMAS questions						
I can link common factors and equivalent fractions						
Number- fractions, decimals and percentages						
Secure						
I can simplify fractions using common factors						
I can compare and order fractions including <1						
I can add fractions with different denominators and mixed numbers						
I can subtract fractions with different denominators and mixed numbers						
I can multiply proper fractions and write the answer in the simplest form						
I can divide proper fractions by a whole number						
I can convert fractions to decimals						
I know the value of each digit in a number with up to 3 decimal places (3.576)						
I can multiply and divide numbers by 10, 100 and 1000 and give answers to 3 decimal places						
I can multiply a decimal number by a whole number (2.65 x3)						

I can use the bus stop method with numbers that have 2 decimal places						
I can solve problems that require rounding an answer						
I know and can use some equivalent fractions, decimals and percentages						
Greater depth						
I can find equivalent fractions to be able to add and subtract fractions						
I can change a range of fractions to decimals ($3 \div 8 = 0.375$)						
I can round decimals to 3 decimal places						
I can multiply and divide numbers with 2 decimal places by 1 digit and 2 digit numbers						
Ratio and proportion						
Secure						
I can solve problems involving the relative sizes of 2 quantities where I can find missing numbers using multiplication and division facts						
I can solve problems involving percentages (15% of 360)						
I can solve problems involving similar shapes where the scale factor is unknown						
I can solve problems involving unequal sharing and grouping						
Greater depth						
I can link percentages or 360° to calculating angles of pie charts						
I can use my understanding of ratio when comparing quantities, sizes and scales to solve problems						
I can solve problems involving unequal quantities						
Algebra						
Secure						
I can use simple formulae						
I can describe number sequences						
I can use algebra to express missing numbers						
I can find pairs of numbers that complete an equation						
I can enumerate possibilities of combinations of 2 variables						
Greater depth						
I can find missing numbers, lengths, coordinates and angles						
I can use formulae in maths and science						
I can find equivalent expressions ($a + b = b + a$)						
I can solve number puzzles						
Measurement						
Secure						
I can solve problems involving conversions of units of measure						
I can use, read, write and convert between standard units of measure						
I can convert between miles and kilometres						
I can recognise that shapes with the same areas can have different perimeters						
I can recognise when I can use formulae to work out the area and volume of shapes						

I can calculate the area of parallelograms and triangles						
I can calculate, estimate and compare the volume of cubes and cuboids						
Greater depth						
I can use a graph to convert kilometres to miles						
I can say if an answer for a conversion is sensible						
I can use a positive and negative number line for temperatures						
I can see the relationship between the area of rectangles to parallelograms and triangles						
Geometry-properties of shapes						
Secure						
I can draw 2D shapes using sizes and angles						
I can recognise, describe and build 3D shapes						
I can say different properties of shapes to describe them						
I can find missing angles in triangles, quadrilaterals and regular polygons						
I can name parts of a circle (radius, circumference and diameter)						
I can recognise angles at a point, on a straight line or are vertically opposite						
Greater depth						
I can draw shapes and nets accurately						
I can describe the properties of shapes and can explain how to find unknown angles and lengths						
I can use algebra to show my answers						
Geometry- position and direction						
Secure						
I can describe co-ordinates in 4 quadrants						
I can draw, translate and reflect shapes						
Greater depth						
I can draw and label axes in all 4 quadrants						
I can draw and label rectangles, parallelograms and rhombuses in the correct place on the 4 quadrants						
Statistics						
Secure						
I can interpret and draw pie charts and line graphs						
I can calculate the mean of a set of data						
Greater depth						
I can connect my knowledge of angles, fractions and percentages to understand pie charts						
I can accurately draw my own graphs						
I know when to find the mean						