



Year 1-6 Long Term Curriculum Coverage & Sequence of Lessons
 (Reasoning & Problem Solving linked to objectives will be incorporated within lessons)

Mathematics: Year 6 - Term 1 & 2

Year 6	Term 1					
Week 1: Number/ Place value	Week 2: Number/Place Value	Week 3: Four Operations	Week 4: Four Operations	Week 5: Four Operations	Week 6: Four Operations	Week 7: Four Operations
<ul style="list-style-type: none"> - To work with numbers up to 10 000 000 and know what each digit represents. Y6:NP1 - To round a whole number as requested - for example to the nearest 10 or 1000 or 100000. Y6:NP2 	<ul style="list-style-type: none"> - I understand and use negative numbers in my work, for example - working out how much is between - 7 and +8. Y6:NP3 - To solve number and practical problems that involve large numbers, rounding and negative numbers. Y6:NP4 	<ul style="list-style-type: none"> - To multiply 4 digit numbers by a two-digit number (for example 4307×34) using the written method of long multiplication. Y6:ASMD1 - To divide 4 digit numbers by a two-digit number using the written method of long division - and tell you the remainder. Y6:ASMD2 	<ul style="list-style-type: none"> - To choose to divide 4 digit numbers by a two-digit number using the written method of short division if this is possible. Y6:ASMD3 - To multiply, divide, add and subtract large numbers in my head. Y6:ASMD4 	<ul style="list-style-type: none"> - I identify common factors, common multiples and prime numbers. Y6:ASMD5 - I know that addition, subtraction, multiplication and division should be carried out in a specific order when looking at problems. Y6:ASMD6 	<ul style="list-style-type: none"> - To solve addition and subtraction multi-step problems, deciding where to add or subtract. Y6:ASMD7 - To solve problems involving addition, subtraction, multiplication and division. Y6:ASMD8 	<p>I always estimate my answer before I begin calculating - this helps me to check at the end to make sure I am correct. Y6:ASMD9</p>
Year 6	Term 2					
Week 1: Fractions	Week 2: Fractions	Week 3: Fractions	Week 4: Fractions & Decimals	Week 5: Assessments	Week 6: Fractions & Decimals	Week 7: % / Decimals
<ul style="list-style-type: none"> - To use common factors to simplify fractions and use common multiples to express fractions in the same denomination. Y6:FD1 - I add fractions with different denominators and mixed numbers. Y6:FD3 	<ul style="list-style-type: none"> - I subtract fractions with different denominators and mixed numbers. Y6:FD3 - To multiply fractions such as $1/4 \times 1/2 = 1/8$. Y6:FD4 	<ul style="list-style-type: none"> - I know how to divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$]. Y6:FD5 - To compare and order fractions, including fractions greater than 1. Y6:FD2 	<ul style="list-style-type: none"> - To change a fraction into a decimal - for example, To change $3/8$ to 0.375 by dividing 1 by 8 and multiplying by 3. Y6:FD6 - I know the decimal value, percentage and fraction of a range of values - such as 0.5, 50 per cent and $1/2$. Y6:FD11 	<ul style="list-style-type: none"> - Assessment Week 	<ul style="list-style-type: none"> - To solve problems which include rounding to a required accuracy such as the nearest 10, 100 or 10000. Y6:FD10 - To multiply and divide numbers by 10, 100 and 1000 and know what each digit means up to three decimal places. Y6:FD7 	<ul style="list-style-type: none"> - To find the percentage of an amount - such as finding 15 per cent of 360. Y6:R2 - To multiply numbers such as 1.45 by a one digit number - for example 1.45×7. Y6:FD8



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Mathematics: Year 6 - Term 3 & 4

Year 6	Term 3					
Week 1: Decimals cont.	Week 2: Measurement	Week 3: Measurement	Week 4: Measurement	Week 5: Assessments	Week 6: Measurement/Algebra	
<ul style="list-style-type: none"> - I use written division methods in cases where the answer has up to two decimal places. Y6:FD9 	<ul style="list-style-type: none"> - I solve problems about different units of measures with three decimal places. Y6:M1 - To convert measurements of length, weight, volume and time up to three decimal places in length (for example $0.345\text{kg} = 345\text{g}$). Y6:M2 	<ul style="list-style-type: none"> - I know that even though shapes may have the same area, the perimeter may be different - or a shapes with the same perimeter may have a different areas. Y6:M4 - To use a formulae for area and volume of shapes. Y6:M5 	<ul style="list-style-type: none"> - To calculate the area of parallelograms and triangles. Y6:M6 To work with the volume of cubes and cuboids using cubic centimetres (cm^3) and cubic metres (m^3), and other units too such as mm^3 and km^3. Y6:M7 	<ul style="list-style-type: none"> - Assessment Week 	<ul style="list-style-type: none"> - To convert between miles and kilometres. Y6:M3 - I know how to use simple formulae such as $n - 10 = 2$. Y6:A1 	
Year 6	Term 4					
Week 1: Algebra	Week 2: Algebra	Week 3: Shape	Week 4: Shape	Week 5: Assessments	Week 6: Shape	
<ul style="list-style-type: none"> - To create a sequence of numbers that follow a rule. Y6:A2 - To use a letter (such as n or x) to show a missing number - such as $10 - x = 5$. Y6:A3 	<ul style="list-style-type: none"> - To find pairs of numbers that satisfy an equation with two unknowns. Y6:A4 To list possible answers to missing numbers such as listing the possible answers of a and b in $a + 6 = b - 10$ Y6:A5 	<ul style="list-style-type: none"> - I accurately draw 2-D shapes using given dimensions and angles. Y6:S1 - To recognise, describe and build 3-D shapes, including making nets. Y6:S2 	<ul style="list-style-type: none"> - To classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Y6:S3 - To work with angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles Y6:S5 	<ul style="list-style-type: none"> - Assessment Week 	<ul style="list-style-type: none"> - I know the parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Y6:S4 	



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Mathematics: Year 6 - Term 5 & 6

Year 6	Term 5					
Week 1: Position & Direction	Week 2: Ratio	Week 3: Statistics	Week 4:	Week 5:	Week 6:	
<ul style="list-style-type: none"> - To use the four quadrants in a coordinate grid. Y6:PD1 - To draw and translate shapes using coordinates or reflect a shape on the grid. Y6:PD2 	<ul style="list-style-type: none"> - To solve problems about relative sizes (ratio). Y6:R1 - To solve similar shape problems. Y6:R3 - To solve problems about unequal sharing Y6:R4 	<ul style="list-style-type: none"> - To use and construct pie charts and line graphs and use these to solve problems. Y6:ST1 - To calculate the mean as an average. Y6:ST2 	<ul style="list-style-type: none"> - Consolidation & SATs Revision 	<ul style="list-style-type: none"> - SATs Week 	<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	
Year 6	Term 6					
Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	
<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	<ul style="list-style-type: none"> - Year 6 Residential Trip 	<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	<ul style="list-style-type: none"> - Teaching of any objectives not yet approached. - Maths Investigations - Problem Solving - Consolidation through Active Maths 	



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Mathematics: Year 5 - Term 1 & 2

Year 5	Term 1					
Week 1: Number/ Place value	Week 2: Number/ Place value	Week 3: Number/ Place value	Week 4: Addition/Subtraction	Week 5: Addition/Subtraction	Week 6: Statistics	Week 7: Multiplication/Division
<ul style="list-style-type: none"> Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit Y5:NP1 Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Y5:NP2 	<ul style="list-style-type: none"> Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero Y5:NP3 Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 Y5:NP4 	<ul style="list-style-type: none"> Solve number problems and practical problems that involve all of the above Y5:NP5 Read roman numerals to 1000 (m) and recognise years written in roman numerals. Y5:NP6 	<ul style="list-style-type: none"> Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Y5:AS1 Add and subtract numbers mentally with increasingly large numbers Y5:AS2 	<ul style="list-style-type: none"> Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy Y5:AS3 Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Y5:AS4 	<ul style="list-style-type: none"> Solve comparison, sum and difference problems using information presented in a line graph Y5:ST1 Complete, read and interpret information in tables, including timetables. Y5:ST2 	<ul style="list-style-type: none"> Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Y5:MD7 Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Y5:MD2
Year 5	Term 2					
Week 1: Multiplication/Division	Week 2: Measurement	Week 3: Multiplication/Division	Week 4: Multiplication/Division	Week 5: Multiplication/Division	Week 6: Assessments	Week 7: Multiplication/Division
<ul style="list-style-type: none"> Establish whether a number up to 100 is prime and recall prime numbers up to 19 Y5:MD3 Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) Y5:MD8 	<ul style="list-style-type: none"> Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres Y5:M3 Calculate and compare the area of rectangles/squares and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes Y5:M4 	<ul style="list-style-type: none"> Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Y5:MD4 Multiply and divide numbers mentally drawing upon known facts Y5:MD5 	<ul style="list-style-type: none"> Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context Y5:MD6 Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes Y5:MD9 	<ul style="list-style-type: none"> Solve problems involving + - X ÷, and a combination of these, including understanding the meaning of the equals sign Y5:MD10 Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. Y5:MD11 	Assessment Week	<ul style="list-style-type: none"> Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers Y5:MD1



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Mathematics: Year 5 - Term 3 & 4

Year 5	Term 3					
Week 1: Fractions/Decimals/%	Week 2: Fractions/Decimals/%	Week 3: Fractions/Decimals/%	Week 4: Fractions/Decimals/%	Week 5: Fractions/Decimals/%	Week 6: Fractions/Decimals/%	
<ul style="list-style-type: none"> - Compare and order fractions whose denominators are all multiples of the same number Y5:FDP1 - Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Y5:FDP2 	<ul style="list-style-type: none"> - Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements Y5:FDP3 - Add and subtract fractions with the same denominator and denominators that are multiples of the same number Y5:FDP4 	<ul style="list-style-type: none"> - Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Y5:FDP5 - Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] Y5:FDP6 	<ul style="list-style-type: none"> - Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Y5:FDP7 - Round decimals with two decimal places to the nearest whole number and to one decimal place Y5:FDP8 	<ul style="list-style-type: none"> - Read, write, order and compare numbers with up to three decimal places Y5:FDP9 - Solve problems involving number up to three decimal places Y5:FDP10 	<ul style="list-style-type: none"> - Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal Y5:FDP11 - Solve problems which require knowing percentage and decimal equivalents Y5:FDP12 	
Year 5	Term 4					
Week 1: Shape	Week 2: Shape	Week 3: Shape	Week 4: Shape	Week 5: Shape	Week 6: Shape	
<ul style="list-style-type: none"> - Identify 3-d shapes, including cubes and other cuboids, from 2-d representations Y5:S1 - Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Y5:S2 	<ul style="list-style-type: none"> - Draw given angles, and measure them in degrees (o) Y5:S3 - Identify angles at a point and one whole turn (total 360o) Y5:S4 	<ul style="list-style-type: none"> - Identify angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180o) Y5:S5 - Identify other multiples of 90o Y5:S6 	<ul style="list-style-type: none"> - Assessment Week 	<ul style="list-style-type: none"> - Use the properties of rectangles to deduce related facts and find missing lengths and angles Y5:S7 	<ul style="list-style-type: none"> - Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Y5:S8 	



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Mathematics: Year 5 - Term 5 & 6

Year 5	Term 5					
Week 1: Position & Direction	Week 2: Measurement	Week 3: Measurement	Week 4: Measurement	Week 5: Measurement		
<ul style="list-style-type: none"> Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. Y5:PD1 	<ul style="list-style-type: none"> Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) Y5:M1 	<ul style="list-style-type: none"> Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints Y5:M2 	<ul style="list-style-type: none"> Estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Y5:M5 	<ul style="list-style-type: none"> Solve problems involving converting between units of time Y5:M6 		
Year 5	Term 6					
Week 1: Measurement	Week 2:	Week 3:	Week 4:	Week 5: Assessments	Week 6:	
<ul style="list-style-type: none"> Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. Y5:M7 	<ul style="list-style-type: none"> Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths 	<ul style="list-style-type: none"> Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths 	<ul style="list-style-type: none"> Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths 	Assessment Week	<ul style="list-style-type: none"> Teaching of any objectives not yet approached. Maths Investigations Problem Solving Consolidation through Active Maths 	