Maths Overview 2024-2025

Year 5 Autumn Term 1

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Number- Number and Place Value I can read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.	**Number- Number and Place Value** I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.	**Statistics** I can solve comparison, sum and difference problems using information presented in a line graph.	**Number- Fractions (including Decimals and Percentages**) I can read, write, order and compare numbers with up to 3 decimal places. I can solve problems involving numbers up to 3 decimal places.	**Number- Addition and Subtraction** I can add whole numbers with more than 4 digits, including using formal written methods (columnar addition). I can **add** and subtract numbers mentally with increasingly large numbers.	**Number- Addition and Subtraction** I can subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction). I can add and **subtract** numbers mentally with increasingly large numbers.	**Number- Addition and Subtraction** I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Year 5 Autumn Term 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Number- Multiplication and Division I can identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers. I know and can use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. I can establish whether a number up to 100 is prime and recall prime numbers up to 19.	**Number- Multiplication and Division** I can recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3). **Measurement** I can estimate volume, for example, using 1 cm3 blocks to build cuboids (including cubes) and capacity, for example, using water.	**Number- Multiplication and Division** I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000.	**Number- Multiplication and Division** I can 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. I can **multiply** and divide numbers mentally, drawing upon known facts. I can solve problems involving multiplication, including using their knowledge of factors and multiples, squares and cubes.	**Number- Multiplication and Division** I can 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. I can multiply and **divide** numbers mentally, drawing upon known facts. I can solve problems involving division, including using their knowledge of factors and multiples, squares and cubes.	**Number- Multiplication and Division** I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equal's sign.	**Geometry- Properties of Shapes** I can use the properties of rectangles to deduce related facts and find missing lengths and angles. I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	**Geometry- Properties of Shapes** I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations.

Year 5 Spring Term 1

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Geometry- Properties of Shapes I can know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. angles at a point and 1 whole turn (total 360°); angles at a point on a straight line and half a turn (total 180°); other multiples of 90°.	**Geometry- Properties of Shapes** I can draw given angles, and measure them in degrees (°).	**Number- Number and Place Value** I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0.	**Number- Number and Place Value** I can read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.	**Measurement** I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.	**Measurement** I can calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm2) and square metres (m^2), and estimate the area of irregular shapes.

Year 5 Spring Term 2

Week 1	Week 2	Week 3	Week 4	Week 5
Number- Fractions (including Decimals and Percentages) I can identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. I can compare and order fractions whose denominators are all multiples of the same number.	**Number- Fractions (including Decimals and Percentages)** I can read and write decimal numbers as fractions [for example, 0.71 = 71/100] I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.	**Number- Fractions (including Decimals and Percentages)** I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, + = = 1].	**Number- Fractions (including Decimals and Percentages)** I can add and subtract fractions with the same denominator, and denominators that are multiples of the same number.	**Number- Fractions (including Decimals and Percentages)** I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. **Number- Multiplication and Division** I can solve problems involving multiplication and division, including scaling by simple **fractions** and problems involving simple rates.

Year 5 Summer Term 1

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Position and Direction I can 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.	**Number- Fractions (including Decimals and Percentages)** I can recognise the percent symbol (%) and understand that percent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction.	**Number- Fractions (including Decimals and Percentages)** I can solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.	**Measurement** I can convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]. I can estimate volume for example, using 1 cm3 blocks to build cuboids (including cubes) and capacity for example, using water.	**Measurement** I can understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.	**Measurement** I can use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.

Year 5 Summer Term 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Number- Number and Place Value I can round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000.	**Number- Fractions (including Decimals and Percentages)** I can round decimals with 2 decimal places to the nearest whole number and to 1 decimal place.	**Number- Addition and Subtraction** I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.	**Measurement** I can solve problems involving converting between units of time.	**Statistics** I can complete, read and interpret information in tables, including timetables.	**Number- Number and Place Value** I can solve number problems and practical problems that involve all areas of place value.	**Number- Multiplication and Division** I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.