Maths Overview 2024-2025

Year 6 Autumn Term 1 (Morning Lessons)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Number- Number and Place Value I can read and write numbers up to 10,000,000. I can read and write numbers up to 10,000,000.	**Assessment Week**	**Number- Number and Place Value** I can order numbers up to 10,000,000 I can compare numbers up to 10,000,000 I can identify the value of a digit by partitioning. I can determine the value of each digit in a number. I can solve number and practical problems that involving number and place value.	**Number- Number and Place Value** I can round any whole number to a required degree of accuracy. I can round any whole number to a required degree of accuracy. I can solve number and practical problems that involving rounding numbers to a degree of accuracy. I can use negative numbers in context, and calculate intervals across 0. I can use negative numbers in context, and calculate intervals across 0.	**Number- Number and Place Value** I can solve number and practical problems using negative numbers. **Number- Fractions (including Decimals and Percentages)** I can identify the value of each digit in numbers given to 3 decimal places I can order decimal numbers up to 3 decimal places. I can compare decimal numbers up to 3 decimal places.	**Number- Fractions (including Decimals and Percentages)** I can round any decimal number to a required degree of accuracy. I can multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places. I can divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places. **Number- Addition, Subtraction, Multiplication and Division** I can solve addition calculations using whole numbers. I can solve subtraction calculations using whole numbers.	**Number- Addition, Subtraction, Multiplication and Division** I can solve addition calculations using decimals. I can solve subtraction calculations using decimals. I can solve problems involving addition. I can solve problems involving subtraction.

Year 6 Autumn Term 1 (Afternoon Lessons)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Geometry- Properties of Shapes I can compare and classify geometric shapes based on their properties and sizes.	**Measurement** I can calculate the perimeter of a shape.	**Measurement** I can calculate the area of parallelograms and triangles.	**Measurement** I can calculate the area of compound shapes.	**Measurement** I can recognise that shapes with the same areas can have different perimeters and vice versa.	**Measurement** I can calculate the volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm^3 and km3].

Year 6 Autumn Term 2 (Morning Lessons)

Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Number- Addition, Subtraction, Multiplication and Division I can multiply multi-digit numbers up to 4 digits by a whole number using the formal written method of long multiplication. I can multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. I can multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. I can multiply one-digit numbers with up to 2 decimal places by whole numbers. I can identify squared and cubed numbers.	**Number- Addition, Subtraction, Multiplication and Division** I can solve problems involving multiplication. I can identify common factors. I can identify prime numbers. I can divide numbers up to 4 digits by a two-digit whole number and interpret remainders as whole numbers. I can divide numbers up to 4 digits by a two-digit whole number and interpret remainders as fractions.	**Number- Addition, Subtraction, Multiplication and Division** I can divide numbers up to 4 digits by a two-digit whole number and interpret remainders up to 2 decimal places. I can identify multiples by partitioning. I can 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. I can 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. I can solve problems involving division.	**Number- Addition, Subtraction, Multiplication and Division** I can perform mental calculations, including with mixed operations and large numbers. I can use my knowledge of the order of operations to carry out calculations involving the 4 operations. (BIDMAS) I can use my knowledge of the order of operations to carry out calculations involving the 4 operations. (BIDMAS) I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. I can use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	**Assessment week**	**Number- Fractions (including Decimals and Percentages)** I can use common multiples to express fractions in the same denomination (equivalent fractions). I can compare and order fractions, with the same denominator. I can compare and order fractions, with different denominators I can use common factors to simplify, compare and order fractions. I can change improper fractions into mixed numbers.	**Number- Fractions (including Decimals and Percentages)** I can add and subtract fractions with the same denominator. I can add and subtract fractions with different denominators. I can add with fractions and mixed numbers, using the concept of equivalent fractions. I can subtract with fractions and mixed numbers, using the concept of equivalent fractions. I can multiply simple pairs of proper fractions, writing the answer in its simplest form.	**Number- Fractions (including Decimals and Percentages)** I can multiply simple pairs of proper fractions, writing the answer in its simplest form. I can divide proper fractions by whole numbers . I can divide proper fractions by whole numbers. I can find fractions of an amount. I can find fractions of an amount.

Year 6 Autumn Term 2 (Afternoon Lessons)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Measurement I can recognise when it is possible to use formulae for area and volume of shapes.	**Measurement** I can 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, mm^3 and km3].	**Measurement** I can use, read, write standard units, of time and solve problems involving the calculation and conversion of time.	**Measurement** I can solve problems involving time and timetables.	**Measurement** I can use, read, write standard units of measurements of length, mass, volume and solve problems involving these units.	**Measurement** I can use, 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 3 decimal places.	**Measurement** I can convert between miles and kilometres.	**Measurement** I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate.

Year 6 Spring Term 1 (Morning Lessons)

Week 16	Week 17	Week 18	Week 19	Week 20	Week 21
Number- Fractions (including Decimals and Percentages) I can associate a fraction with division and calculate decimal fraction equivalents. I can associate fractions with division to find decimal equivalents. I can understand percentages. I can find percentages of amounts. I can solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison.	**Number- Fractions (including Decimals and Percentages)** I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. I can solve problems which require answers to be rounded to specified degrees of accuracy. I can solve problems which require answers to be rounded to specified degrees of accuracy. I can solve problems involving fractions, decimals and percentages.	**Assessment Week**	**Geometry- Properties of Shapes** I can recognise and calculate angles on a straight line. I can recognise angles where they meet at a point or are vertically opposite, and find missing angles. I can find unknown angles of a shape through measuring. I can draw 2-D shapes using given dimensions and angles. I can draw 2-D shapes using given dimensions and angles.	**Geometry- Properties of Shapes** I can compare and classify geometric shapes. I can recognise, describe and build simple 3-D shapes, including making nets. I can recognise, describe and build simple 3-D shapes, including making nets. I can illustrate and name parts of circles, including radius, diameter and Circumference. I know that the diameter is twice the radius.	**Geometry- Position and Direction** I can draw and translate simple shapes on the coordinate plane. I can reflect simple shapes in the axes. I can draw and translate simple shapes on the coordinate plane. I can reflect simple shapes in the axes.

Year 6 Spring Term 1 (Afternoon Lessons)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Statistics I can read and interpret line graphs and use these to solve problems.	**Statistics** I can construct line graphs and use these to solve problems.	**Statistics** I can read and interpret pie charts and use these to solve problems.	**Statistics** I can construct pie charts and use these to solve problems.	**Statistics** I can construct pie charts and use these to solve problems.	**Statistics** I can calculate and interpret the mean as an average.

Year 6 Spring Term 2
(Morning Lessons)

Week 22	Week 23	Week 24	Week 25	Week 26
Algebra I can understand algebra and use simple formulae. I can generate and describe linear number sequences. I can generate and describe linear number sequences. I can express missing number problems algebraically. I can find pairs of numbers that satisfy an equation with 2 unknowns.	**Algebra** I can find pairs of numbers that satisfy an equation with 2 unknowns. I can enumerate possibilities of combinations of 2 variables. I can enumerate possibilities of combinations of 2 variables. I can solve problems using algebra.	**Ratio and Proportion** I can understand ratio. I can solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts. I can solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts. I can solve problems involving similar shapes where the scale factor is known or can be found. I can solve problems involving similar shapes where the scale factor is known or can be found.	**Ratio and Proportion** I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. I can solve problems using ratio and proportion.	**Assessment Week**

Curriculum covered: SATs revision going forward, Secondary Transition Work