

Maths Curriculum Overview KSI & KS2 - 2021-2022

Year Group	Autumn 1 – 7 Weeks	Autumn 2 – 7 Weeks	Spring 1– 6 Weeks	Spring 2– 6 Weeks	Summer 1– 6 Weeks	Summer 2– 7 Weeks
Year 1	Comparison of quantities and measures. Introduction to 'whole' and 'parts'.	Composition of numbers: 0-5. Composition of numbers: 6-10. Properties of shape.	Properties of shape. Additive structures: aggregation and partitioning. Additive structures: augmentation and reduction.	Addition & subtraction: strategies. Composition of numbers: 11-19. Measurement: length & height.	Measurement: mass and volume. Counting: unitising and coins.	Fractions. Position and direction. Time.
Year 2	Multiples of 10 up to 100. Composition of numbers: 20-100 Bridging 10. Subtraction as difference.	Two digit and single digit numbers. Two digit numbers and multiples of 10. Multiplication representing equal groups. Groups of 2 and commutativity.	Groups of 10 and 5, and factors of 0 and 1. Doubling and halving. Division (Quotitive and partitive).	Properties of shape. Addition: 2-digit & 2-digit numbers. Subtraction: 2-digit & 2-digit numbers. Money.	Fractions. Time. KSI Maths Assessments.	Measurement: length, mass, capacity and temperature. Position and direction. Doubling and halving. Division (Quotitive and partitive).
Year 3	Composition and calculation: 100 & bridging 100. Composition and calculation: 3-digits.	Composition and calculation: 3-digits. Securing mental strategies to 999.	Manipulating the additive relationship. Column addition. Timestables: 2, 4, 8 & their relationships.	Scaling number facts by 10. Column subtraction. Fractions inc part-whole relationship & unit fractions.	Fractions inc: finding a unit fraction, identify, compare and represent non-unit fractions. Adding and subtracting within one whole.	Right angles. Parallel and perpendicular sides in a polygon. Time.
Year 4	Algorithms: column addition & column subtraction. Composition and calculation: 1000 and 4 digit numbers.	Area & perimeter. Times tables: 3, 6, 9 & their relationships. Times tables: 7 and patterns within/across.	Multiplication and division. Multiply and divide by 10 or 100. Scaling number facts by 100.	Times tables: 11 and 12. Symmetry in 2D shapes. Time.	Fractions inc part-whole relationship, improper fractions and mixed numbers.	Co-ordinates. Statistics. Division with remainders.
Year 5	Composition and calculation: 10ths & 100ths. Addition & subtraction: Money. Negative numbers.	Negative numbers. Multiplication: short multiplication. Division: short division.	Area & perimeter Structures: understanding scaling. Decimal place value: multiplication & division.	Multiply/divide decimal fractions by whole numbers Volume. Factors, multiples, prime & composites. Multiplying whole numbers & fractions.	Multiplying whole numbers & fractions. Finding equivalent fractions and simplifying. Linking fractions, decimals and percentages.	Number, place value & converting units. Properties of shape, including angles. Transformations.
Year 6	The part-part-whole relationship. Equivalence and compensation to calculate. Multiples of 1,000.	Numbers to 10,000,000. Draw, compose and decompose shapes. Using equivalence to calculate.	Multiplication strategies inc. long multiplication. Division inc. long division.	Fractions, inc. equivalence, adding, subtracting, multiplying and dividing. Linking fractions, decimals and percentage.	Statistics. Revision. KS2 Assessments (SATs). Scale factors.	Ratio and proportional reasoning. Equivalence and compensation to calculate. Problems with two unknowns. Mean average and equal shares.

Statistics will be taught outside of Maths and linked to the Science curriculum

This is a guide and may need slight adjustments depending on cohort