

MATHEMATICS TOPICS OF STUDY

Year	Autumn	Spring	Summer
Y3	Four Rules of Number. Odd and even. Place value and rounding. Multiples. Money. <p style="text-align: right;">(Weekly mental maths</p>	Measurement: length/height. Area and perimeter. Fractions. Time: clocks and calendars. and tables tests continue throughout the	Reinforcement of Four Rules. 2-D and 3-D shape and symmetry. Data handling. year.)
Y4	Place value, rounding. The Four Rules of Number. (Weekly mental maths and tables tests continue throughout the year.)	Money. Measurement: length, weight, capacity, time. Calculations involving measurement.	2-D and 3-D shape; symmetry. Angles, co-ordinates. Fractions. Data handling.
Y5	Revision of number: tables, ordering and rounding, money, function boxes, multiples & factors, prime numbers, line symmetry, construction, fractions, properties of shapes.	Time. Simple fractions. Decimals. Metric units. Co-ordinates. Simple percentages. Squares and square roots.	Cancelling & mixed fractions. Rotational symmetry. Tally & bar charts. Angles & use of protractors. Perimeter & area of rectangles. Averages. More decimals.
Y6	Long multiplication and division. Pie charts. Directed numbers. Algebra: substitution, simplifying. Ordering & multiplying fractions. Angles in a triangle.	Addition & subtraction of fractions. Conversion graphs. Multiplication of decimals. Division with remainders. Coordinates in four quadrants. Translations & reflections. Angles in parallel lines. Equations. Probability.	BIDMAS. Percentages. Nets of tetrahedrons and triangular prisms. Area of triangles. Further equations & simplification of like terms. Converting between fractions, decimals & percentages. Rotations.
Y7	The four operations with fractions & decimals. More angles. Decimal places & significant figures. Enlargements. Method of unity. Using algebraic expressions. Volume Simplification: index notation & expanding brackets.	Factorisation. Angles in polygons. Equations with unknowns on both sides. Surface area of cuboids. Percentage problems. Area of trapezia. Combined transformations. Prime factors.	Number patterns. Bearings. Further substitutions. Ratio & proportion. Problem solving. Simplification using indices. Averages. Venn diagrams. Isometric drawing.
Y8	Areas and circumference of circles. Line graphs. Scatter graphs. Two-way tables. Scale drawing. Fractional equations. Further BIDMAS. Calculator skills.	Set 2: Revision and reinforcement on previous topics. Set 1: revision, plus further topics needed for CE papers 2 & 4. (Some covered earlier.)	Revision. Post CE: investigative projects.