

Long Term Plan

Year Group	A1	A2	S1	S2	SU1	SU2
7	Whole numbers and decimals.	Measures, perimeters and area.	Expressions and formulae.	Fractions, decimals and percentages.	Angles and 2D shapes.	Statistics
	Place value and decimals, multiplying and divide by 10, 100, 1000 negative numbers, Mental/Written methods of addition and subtraction. My review	Length, units of measurement, converting between metric units, perimeter/area of simple shapes. My review	Algebraic symbols, expressions, collecting like term, using a formula, writing a formula, Expressions and formulae. My review	Fractions, equivalent fractions, additions and subtractions of fractions, decimals and fractions, fraction of a quantity, percentages, percentage of an amount. My review	Angle measure, drawing lines and angles, calculating angles, angles in a triangle, properties of triangles, properties of quadrilateral.	Bar charts, reading and interpreting pie charts, line graphs, collecting data, tally charts and frequency tables, comparing data, the mean. My review
8	Fractions, decimals and percentages.	Measures, perimeters and area.	Expressions and formulae.	Whole numbers and decimals.	Angles and shapes.	Collecting and representing data.
	Fractions and decimals, adding and subtracting fractions, fraction of a quantity, percentages of amounts, fractions, decimals and percentages. My review	Metric measures, imperial measure, perimeter and area of rectangle, triangle, Parallelogram, trapezium. My review	Simplifying and subtracting, indices, like terms, expanding brackets, substitution into formulae, writing a formulae. My review	Integers and decimals, multiplying and dividing integers, multiples and factors, prime numbers, LCM and HCF, squares and cubes. My review	Angles, properties of triangle, angle in parallel lines, properties of quadrilateral, properties of polygon, congruent shapes. My review	Planning a data collection, collecting data, pie charts, bar charts and frequency diagrams, averages, averages from frequency tables, scattered graphs and correlation. Stem-and-leaf diagrams. My review
9	Whole numbers and decimals	Measure, perimeter and area	Expressions and introduction to equations	Power and roots	Ratio and proportion	Transformation and scales
	Adding and subtracting integers, decimal numbers. Power of 10, rounding, factors, multiples and	Measure 1, measure 2, area of 2D shapes, circumference of a circle, area of a circle, compound measures.	Factors in algebra, algebraic fractions, expanding brackets, solving simple Equations, equations with brackets.	Square roots and cube roots, indices, indices and surds, standard form for large numbers, standard form for small numbers.	Direct proportion, comparing proportions, ratio, uses of ratio and proportion problems,	Transformations, enlargement, combination of transformations, maps and scales drawings, bearings.

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9 (cont.)	primes, estimating and approximating. My review	My review	My review	My review	proportional reasoning. My review	My review
10	Area and volume of different shapes	Percentages	Properties of triangle and Pythagoras theorem	Graphs of linear functions and quadratic graphs	Reflections and rotations	Loci and 3-D solids
	Area of compound and simple shapes, Areas of circles, volume of cubes and cuboids, volumes of prisms, surface area of prisms. Exam style end of unit test.	Percentages, percentages, fractions and decimals, percentage increase and decrease, compound growth and decay, Percentages problems. Exam style end of unit test.	Angle sum of triangle, exterior angle of a triangle, describing triangles, Pythagoras theorem. Exam style end of unit test.	Drawing straight-line graphs, recognise the equation of straight-line graphs and finding their gradients, graphs of simple quadratic function. Exam style end of unit test.	Reflections, lines of symmetry, rotation symmetry, rotations, describing reflections and rotations. Exam style end of unit test.	Describing a locus, constructing loci, cubes and cuboids, 2/3-D representations of solids. Exam style end of unit test.
11	Algebra, Equations and inequalities	Measures	Speed, Density, Pressure, Exam Revision	Exam revision.		
	Algebra revisited, Equations where the unknown appears once only, equations with brackets, equation with fractions, inequalities and the number line, Exam style end of unit test.	Converting measurements, rough equivalent of imperial units, compound measures accuracy in measurements Exam style end of unit test.	Speed, distance, time calculator, density, mass, volume calculations, pressure, force, distance-time graphs. Exam style end of unit test.	Pupils will revise topics which are most likely to feature in the exam. Students will also concentrate on areas where they feel less confident.		

AO1	Yes	A02	No	AO3	Yes
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Assessment – How will you assess their progress ?