

	YEAR GROUP	Year 9		YEAR 10		YEAR 11	
TERM		HIGHER	FOUNDATION	HIGHER	FOUNDATION	HIGHER	FOUNDATION
AUTUMN	1 <sup>st</sup> HALF	Fractions. Decimals. Rounding. Volume, Surface Area, Capacity, Density, Pyramids, Prisms, indices, Equations, Inequalities, Factorising.	Expressions, Equations, 2D /3D shapes and Nets, Area, Perimeter	Fractions. Decimals. Rounding. Volume, Surface Area, Capacity, Density, Pyramids, Prisms, indices, Equations, Inequalities, Factorising.	Expressions, Equations, 2D /3D shapes and Nets, Area, Perimeter	Averages, Dispersion, Data, Frequency Charts, Histograms, Scatter graphs, Percent, Household bills	Pythagoras' theorem, average speed, travel graphs, Scale drawing, Bearings, Circles, Cylinders, Prime factors
	2 <sup>nd</sup> HALF	Substitution, Formulae Probability, Data Averages.	Percentages, Circles, Number skills, Indices	Substitution, Formulae Probability, Data Averages.	Percentages, Circles, Number skills, Indices	Circles theorems, Sine rule, Cosine rule, Triangle,	Data, Straight lines, Trial and Improve, Units of measure, Time
SPRING	1 <sup>st</sup> HALF	Quadratics, Expanding Brackets, Factorising, trigonometry, Simultaneous equations, Circles and Cylinders.	Probability, Fractions and Decimals, Ratio and proportion	Quadratics, Expanding Brackets, Factorising, trigonometry, Simultaneous equations, Circles and Cylinders	Probability, Fractions and Decimals, Ratio and proportion	Quadratic Formula, Straight line graphs, Inequalities in a plane, Curved graphs	Angles, Polygons, Volume, Density, Scatter graphs
	2 <sup>nd</sup> HALF	Cones, Spheres, Dimensions, Similar Figures, Variation	Geometry, Number Work, Percentage Applications	Cones, Spheres, Dimensions, Similar Figures, Variation	Geometry, Number Work, Percentage Applications	Trapezium rule, Area under a curve, algebraic fractions, Vectors, Transformations	Boundaries, Symmetry, Transformations, Inequalities
SUMMER	1 <sup>st</sup> HALF	Transformations, LOCI, Bearings, Prime factors, LCM, HCF, Square numbers, Problem Solving	Formulae, Number patterns, Sequences, Coordinates, Averages, Range, Volume, Approximations	Transformations, LOCI, Bearings, Prime factors, LCM, HCF, Square numbers, Problem Solving	Formulae, Number patterns, Sequences, Coordinates, Averages, Range, Volume, Approximations	Graphs of Sin, Cos and tan, Select mathematical functions, Graphical sketching, loci	Curved graphs, Loci, Directed numbers, Everyday maths
	2 <sup>nd</sup> HALF	Straight Line Graphs, Inequalities in a Plane, Polygons, Trial and Improvement, Sequences	Estimation,	Straight Line Graphs, Inequalities in a Plane, Polygons, Trial and Improvement, Sequences	Estimation,	Exam revision	Exam revision