Year 9 Objectives

Week Number	9 Higher	9 Middle	9 Foundation
Week 1	Significant Figures and Rounding Upper and Lower Bounds	Powers of 10 and Rounding Estimating	Powers of 10 HCF, LCM and Prime Factors
Week 2			
Week 3	2D and 3D Metric Conversion Area of Compound Shapes Compound Measure	Area of Compound Shapes Area of a Circle Circumference of a Circle Compound Measures	Metric & Imperial Measures Area of Triangles & Parallelograms Circumference of a Circle
Week 4			
Week 5			
Week 6	Index Laws including Fractional and Negative Expanding Double Brackets Factorising Single Brackets		Expanding Single Brackets and Collecting Like Terms Forming & Using Formulae
Week 7		Simple Algebraic Fractions Rearranging Formulae	
Week 8			Multiplying and Dividing Fractions
Week 9	Reciprocals and Reccuring Decimals Compound Percentage Change	Multiplying & Dividing Fractions Percentage Change	Angle Rules including Parallel Lines Properties of Quadrilaterals and Triangles
Week 10			
Week 11	Angles in Polygons Arcs and Sectors Congruent Shapes	Angles in Polygons	Understanding Gradient Time Series Graphs
Week 12		Real Life & Distance Time Graphs Time Series Graphs	
Week 13			Written Methods - Four Operations Estimations & Approximations Calculator Skills
Week 14	Gradient and Y-Intercept of Straight Lines Parallel and Perpendicular Lines Cubic Graphs Exponential and Reciprocal Graphs	Four Operation with Decimals	
Week 15		Statistical Diagrams Averages from Grouped Data Comparing Data and Distribution	
Week 16			Scatter Graphs Stem and Leaf & Frequency Polygons
Week 17			
Week 18	Frequency Polygons and Moving Averages Cumulative Frequency and Box Plots	Combinations of Transformations Bearings	Translations & Enlargements Reflections & Rotations
Week 19			
Week 20	Negative and Fractional Enlargements Similar Shapes	Unknowns on Both Sides Forming and Solving Equations Trial and Improvement	Solving Equations and Inequalities Forming Equations
Week 21			
Week 22	Solving Simultaneous Equations and Graphically Solving Inequalities Forming Simultaneous Equations		Roots, Powers and Indices Standard Form
Week 23		Surds Converting Standard Form and Ordinary Numbers	
Week 24			Angle and Perpendicular Bisectors Bearings Scale Drawings
Week 25	Standard Form Indices and Surds	Loci Pythagoras	
Week 26			
Week 27	Pythagoras' Theorem	Recursive Sequences	Arithmetic Sequences Recursive Sequences
Week 28	Quadratic Sequences Convergent, Divergent and Oscillatory Sequences	3D Shapes and Symmetry Plans and Elevations	
Week 29			Nets, Plans and Elevations
Week 30	Trigonometry Sides Trigonometry Angles	Direct Proportion Proportional Reasoning	Writing and Sharing in a Ratio
Week 31			Probability Scale and Mutually Exclusive Events Listing Outcomes VENN Diagrams
Week 32	Ratio and Proportion	Mutually Exclusive Events Tree Diagrams VENN Diagrams	
Week 33	Independent Events and Tree Diagrams VENN Diagrams		
Week 34			Catch Up/Assessment/Activity Weeks
Week 35 - 38	Catch Up/Assessment/Activity Weeks	Catch Up/Assessment/Activity Weeks	