A learner in Year 11 will cover a balanced curriculum, covering the 5 branches of mathematics: Number, Ratio, Algebra, Shape, statistics & probability. The three forms of Mathematical knowledge will be taught: Declarative knowledge, procedural knowledge and conditional knowledge

IMPLEMENTATION – planned and sequenced towards cumulative knowledge and skills

1 Set 1 – Higher	Set 2 & 3 Higher	Set 4 & 5 - Foundation	Autumn Summative Assessment
 Rearranging Harder Formulae Functions Simultaneous Equations Error Intervals and Bounds Surds Recurring Decimals Quadratic Sequences Algebraic Fractions Inequalities Direct and Inverse Proportion Forming and Solving Equations Completing the Square Cumulative Frequency + Box Plot Histograms Averages from a Table Types of Graph+ Sketching Quadratics Parallel + Perpendicular Lines Equation of a Tangent to a Circle Ratio Sine/Cosine Rule Compound Measures Rates of Change Sine/Cosine Rule Vector Geometry Proof Enlargement/Translation Sector + Arc Length Probability Venn Diagrams 	 Forming and Solving Equations Factorising Solving Simultaneous Equations Solving Quadratics by Factorising Solving Quadratics by Using the Formulae Rearranging Formulae Plotting Graphs Estimation and Rounding Multiplying and Dividing Decimals Recurring Decimals Products of Primes Calculations in Standard Form Inequalities Functions Ratio Percentage Change Conversions Speed/Distance/Time Density Quadratic Sequences Advanced Trigonometry Cones and Spheres Circle Theorems 	 Straight Line Graphs Plotting Graphs Pythagoras Theorem Trigonometry Factorising Quadratics Solving Quadratics Solving Quadratics Area and Perimeter Circles Percentages Constructions and Loci Column Vectors Value for Money Questions Forming and Solving Equations HCF/LCM Estimation 4 operations on fractions Money Questions Stime Questions Negative Numbers Time Questions Angles in Parallel Lines Angles in Polygons Recipe Style Questions Speed/Distance/Time Area of Shapes Real Life Graphs Simultaneous Equations Error Intervals Rearranging Formulae Volume and Surface Area Transformations 	Questions based on the content taught covering all 3 AOs: AO1: Use and apply standard techniques AO2: Reason, interpret and communicate mathematically AO3: Solve problems within mathematics and in other contexts

Term 2	Set 1 & 2 – Higher	Set 2 & 3 Higher	Set 3 & 4 - Foundation	Spring Summative Assessment
	 Rotation/Reflection Transformation of Graphs Volume/Surface Area of Prisms Volume/Surface Area of Spheres + Cones Circle Theorems Angles in polygons Similar Shapes 	 Circle Theorems Upper and Lowe Bounds Gradients of Curves Areas Under Curves Exact Trig Values Plans + Elevations Transformations of Graphs Simultaneous Equations Linear/Quadratic Iteration Proof Vectors Congruence and Similar Shapes Completing the Square 3D Trig Equation of a Circle 	 Scatter Graphs Averages from Frequency Tables Inequalities Ratio: Maps/Scales Venn Diagrams Probability Metric Conversions Pie Charts 	 Questions based on the content taught covering all 3 AOs: AO1: Use and apply standard techniques AO2: Reason, interpret and communicate mathematically AO3: Solve problems within mathematics and in other contexts 30% of the marks will be awarded for topics from term 1, 70% of the marks from topics taught in term 2.
Term 3	Set 1 – Higher Revision for GCSE Maths	Set 2 & 3 Higher > Tangent to a Circle > Regions > Revision for GCSE Maths	Set 3 & 4 - Foundation Revision for GCSE Maths	Summer Summative Assessment GCSE Maths exam