Year 9 Westbourne Curriculum Plan – Maths Foundation

Timescale	Autumn		Spring		Summer	
Prior Learning (from KS2/3)	KS3: Squares, Cubes and Roots. KS3: Laws of Indices. KS3: Algebraic Notation.	KS2: Coordinates in all 4 Quadrants. KS2: Graphs and Charts KS3: FDP Equivalence.	KS3: Number and Pattern Sequences. KS3: Algebraic Notation. KS3: Parallel Lines KS2: Basic Angle Facts. KS3: Measuring Angles. KS3: Understanding of Angle Facts. .	KS2: Representing Graphs KS2: Perimeter & Area of shape KS2: Volume of shapes	KS2: Simple transformations	KS3: Probability Terminology KS2: Proportion
Topic/ Unit title	Integers and place value, Decimals, Indices, powers and roots, Factors, multiples and primes, Expression, formula and factorising	Tables, Charts & Graphs, Fractions & Percentages	Equations, Inequalities, Angles & Sequences	Perimeter, Area & Volume & Graphs	Constructions & Transformations	Probability, Ratio, Pythagoras, Circles & Vectors
Assessment Opportunities	Each block is assessed by an orange book assessment. Each term is assessed using an end of termly test. The whole year is assessed using an end of year test.					
Links to other units in KS4	KS4: Negative and Fractional Indices. KS4 : HCF & LCM KS4: Expanding and Factorising Binomials	KS4: Averages from Frequency Tables. KS4: Cumulative Frequency Graphs, Histograms and Boxplots KS4: Calculating with Fractions KS4: Reverse & Compound Percentages	KS4: Multi-step Angle Problems. KS4: Solving Equations & Inequalities KS4: Nth term of Quadratic Sequences. KS4: Expanding and Factorising Binomials	KS4: Conversion Graphs KS4: Gradients of Lines KS4: Equation of a line in the form $y = mx + c$. KS4: Area of Compound Shapes. KS4: Area of Sectors. KS4 Converting between units of Area and Volume.	KS4: Loci KS4: Negative fractional enlargement.	KS4: Sample Space Diagrams and Probability Trees. KS4: Direct and Inverse Proportion KS4: Pythagoras and Trigonometry KS4: Vector Geometry

Year 9 Westbourne Curriculum Plan – Maths Higher

Timescale	Autumn		Spring		Summer	
Prior Learning (from KS2/3)	KS3: Squares, Cubes and Roots. KS3: Laws of Indices. KS3: Algebraic Notation.	KS3: Number and Pattern Sequences. KS3: Algebraic Notation. KS2: Graphs and Charts	KS2: Finding Percentages KS3: Parallel Lines KS2: Basic Angle Facts. KS3: Measuring Angles. KS3: Understanding of Angle Facts. KS3: FDP Equivalence. .	KS2: Representing Graphs KS2: Perimeter & Area of shape KS2: Volume of shapes	KS2: Simple transformations . KS3: Probability Terminology.	KS3: Algebraic Notation.
Topic/ Unit title	Calculations, Indices, Roots and BIDMAS, Factors, multiples, primes, standard from and surds, Basics, setting up, solving and rearranging,	Basics, setting up, solving and rearranging, Sequences, Averages & Representing Data	Fractions, Percentages, Ratio, Angles, Pythagoras & Trigonometry	Real life Graphs, Linear Graphs, Quadratic Graphs, Perimeter & Area, Circles and Volume	Constructions, Transformations & Probability	Statistics, Quadratic equations, Simultaneous Equations, Similarity & Congruence, Higher Trigonometry, Circle Theorems & Vectors
Assessment Opportunities	Each block is assessed by an orange book assessment. Each term is assessed using an end of termly test. The whole year is assessed using an end of year test.					
Links to other units in KS4	KS4: Negative and Fractional Indices. KS4 : Calculating with surds	KS4: Nth term of Quadratic Sequences. KS4: Averages from Frequency Tables. KS4: Cumulative Frequency Graphs, Histograms and Boxplots KS4: Expanding and Factorising Binomials	KS4: Multi-step Angle Problems. KS4: Reverse & Compound Percentages KS4: Direct and Inverse Proportion KS4: Pythagoras and Trigonometry	KS4: Conversion Graphs KS4: Gradients of Lines KS4: Equation of a line in the form $y = mx + c$. KS4: Area of Compound Shapes. KS4: Area of Sectors. KS4 Converting between units of Area and Volume.	KS4: Sample Space Diagrams and Probability Trees. KS4: Negative fractional enlargement.	KS4: Solving quadratics, quadratic formula & completing the square KS4: Vector Geometry