



Curriculum Overview 2020 – 2021

Mathematics

	Year 7	Year 8	Year 9	Year 10 Foundation	Year 10 Higher	Year 11
Half Term 1	- Working with Place Value - Introducing Algebra	- Arithmetical Operations with Decimals and Negatives - Introducing Algebra - Linear Equations	- Arithmetic with Fractions - Expressions and Formulae - Angles and Polygons	- Number Recap - Algebra Recap and Extension - Algebra: Quadratics, Rearranging Formulae and Identities - Graphs Recap and Extension	- Surds - Rounding - Perimeter and Area - Circumference and Area - Volume - Geometry and Measures Recap - Congruence and Similarity	Bespoke curriculum for each class
Half Term 2	- Introducing Algebra - Lines and Angles	- Formulae, Sequences and Rules - Lines and Angles	- Angles and Polygons - Sample Spaces to Calculate Theoretical Probabilities	- Collecting and Representing Data	- Algebra: Further Quadratics, Rearranging and Identities	
AW1	Assessment	Assessment	Assessment	Assessment	Assessment	
Half Term 2	- The Probability Scale	- Parallel, Alternate and Corresponding - Accuracy with Perimeter, Area and Volume	- Ratio and Percentage Change	- Scatter Graphs - Statistical Measures	- Further Equations and Graphs - Simultaneous Equations (Quadratics) - Sequences (Quadratics)	
Half Term 3	- Powers, Roots and Rounding - Formulae, Sequences and Rules - Representing and Interpreting Data	- Linear Equations with Unknowns on Both Sides - Sets and Unions - Percentages	- Rearranging and Solving Linear Equations - Geometrical relationships Including Pythagoras' Theorem - Mathematical Models	- Ratio and Proportion - Direct and Inverse Proportion - Measures - Angles	- Angles - Properties of Polygons - Pythag and Basic Trig	
Half Term 4	- Representing and Interpreting Data	- Percentages	- Mathematical Models (cont.)	- Properties of Polygons	- Statistics Recap and Review	
AW2	Assessment	Assessment	Assessment	Assessment	Assessment	
Half Term 4	- Ratio - Using Measurements	- Sequences and relationships	- Compound Units	- Probability - Perimeter and Area	- Algebraic Fractions - Mass, Density, Volume and Rates of change	

Half Term 5	<ul style="list-style-type: none"> - Using Measurements - Order of Operations 	<ul style="list-style-type: none"> - Multiples factors, Primes - Symmetries and Constructions 	<ul style="list-style-type: none"> - Pythagoras' Theorem in Right-Angled Triangles - Using Graphs to Solve Equations - Standard Form and the Number System 	<ul style="list-style-type: none"> - Circumference and Area - Congruence and Similarity - Pythagoras' Theorem 	<ul style="list-style-type: none"> - Collecting and Representing Data - Scatter Graphs - Statistical Measures - Pythag and Basic Trig - Transformations 	
AW3	Assessment	Assessment	Assessment	Assessment	Assessment	
Half Term 6	<ul style="list-style-type: none"> - Order of Operations - Linear Equations 	<ul style="list-style-type: none"> - Algebraic Expressions - Using Averages, Range and Relationships to Describe Data 	<ul style="list-style-type: none"> - Trigonometry in Right Angled Triangles - Geometric Sequences 	<ul style="list-style-type: none"> - Scale Diagrams and Bearings - Scatter Graphs 	<ul style="list-style-type: none"> - Constructions and Loci - Scale Diagrams and Bearings 	