

Five Year Curriculum Mapping Specifications - [OCR - GCSE Mathematics 9 – 1 Specification](#)

	HT1	HT2	HT3	HT4	HT5	HT6	Assessments
Y7	1A <ul style="list-style-type: none"> Place value Addition & subtraction Perimeter Rounding & Estimation (Real life situations) 	1B <ul style="list-style-type: none"> Multiplication & Division Factors & Multiples Areas of rectangles, triangles and parallelograms 	2A <ul style="list-style-type: none"> Fractions as part of a whole Fractions as a value Fractions as an operation 	2B <ul style="list-style-type: none"> Order of operations Basic Rules of algebra Expand & factorise Substitution 	3A <ul style="list-style-type: none"> Algebra Polygons Symmetry & Reflection Coordinates 	3B <ul style="list-style-type: none"> Mean Two way Tables & Venn Diagrams 	
Y8	1A <ul style="list-style-type: none"> Indices Prime Factor Decomposition Rounding Fractions Percentages 	1B <ul style="list-style-type: none"> Linear Equations Coordinates Basic Graphs 	2A <ul style="list-style-type: none"> Unit of Measurement Angles Circumference 	2B <ul style="list-style-type: none"> Proportional Reasoning Fractions, decimals & percentages Ratio 	3A <ul style="list-style-type: none"> Area of composite Shapes Presenting & interpreting data Averages 	3B <ul style="list-style-type: none"> Two-way Tables 3D Visualisation Volume 	
Y9 (F)	HT1 <ul style="list-style-type: none"> Place Value and Number Properties 4 Rules – Decimals Indices, Powers & Roots 	HT2 <ul style="list-style-type: none"> FDP Fractions Percentages Proportion 	HT3 <ul style="list-style-type: none"> Notation Simplifying & Index Laws Expanding & Factorising Expression & Substitution 	HT4 <ul style="list-style-type: none"> Linear Equations Linear Inequalities Perimeter & Area Pythagoras 	HT5 <ul style="list-style-type: none"> Properties of Shapes Angle Facts Parallel Lines Circles Volume & Surface Area 	HT6 <ul style="list-style-type: none"> Sequences Basic Vectors 	
Y9 (H)	HT1 <ul style="list-style-type: none"> Place Value & Number Properties 4 Rules – Decimals Indices, Powers & Roots Factors, Multiples & Primes Ratio (Basic) 	HT2 <ul style="list-style-type: none"> FDP Fractions Percentages Proportion 	HT3 <ul style="list-style-type: none"> Notation Simplifying & Index Laws Expanding & Factorising Expression & Substitution 	HT4 <ul style="list-style-type: none"> Linear Equations Linear Inequalities Perimeter & Area Pythagoras 	HT5 <ul style="list-style-type: none"> Properties of Shapes Angle Facts Parallel Lines Circles Volume & Surface Area 	HT6 <ul style="list-style-type: none"> Sequences Basic Vectors 	
Y10 (F)	HT7 <ul style="list-style-type: none"> Linear Graphs $Y=MX+C$ Compound Measures Quadratic Graphs, TP & Roots 	HT8 <ul style="list-style-type: none"> Re-arrange Formula Linear Simultaneous Equations Further Graphs 	HT9 <ul style="list-style-type: none"> Probability Standard Form 	HT10 <ul style="list-style-type: none"> Simple interest Ratio (Further) Growth & Decay 	HT11 <ul style="list-style-type: none"> Statistics 	HT12 <ul style="list-style-type: none"> Plans & Elevations Constructions & Loci 	
Y10 (H)	HT7 <ul style="list-style-type: none"> Linear Graphs $Y=MX +C$ Compound measures Quadratics Graphs TP & Roots 	HT8 <ul style="list-style-type: none"> Re-arrange Formula Further Expanding & Factorising Linear Simultaneous Equations Further Graphs 	HT9 <ul style="list-style-type: none"> Probability Standard Form Proportion (Further) 	HT10 <ul style="list-style-type: none"> Surds Recurring decimals Bounds Growth & decay 	HT11 <ul style="list-style-type: none"> Statistics (No higher) Simple Interests Ratio (Further) 	HT12 <ul style="list-style-type: none"> Right Angles Trigonometry Plans & Elevations Constructions and Loci Similar Shapes 	

Five Year Curriculum Mapping Specifications - [OCR - GCSE Mathematics 9 – 1 Specification](#)

Y11 (F)	<p>HT13</p> <ul style="list-style-type: none"> • Pythagoras • Right Angled Trigonometry • Bearings & Scale Drawings 	<p>HT14</p> <ul style="list-style-type: none"> • Algebra Review 	<p>HT15</p> <ul style="list-style-type: none"> • Transformations • Congruence • Vectors • Similar Shapes 	<p>HT16</p> <ul style="list-style-type: none"> • Number Review 	<p>HT17</p>	<p>HT18</p>	
Y11 (H)	<p>HT13</p> <ul style="list-style-type: none"> • Algebraic Proof • Solving Quadratics • Further Simultaneous Equations • Functions • Iteration • Quadratics Inequalities 	<p>HT14</p> <ul style="list-style-type: none"> • Bearings • Circle Theorems • Further Trigonometry • Trigonometric Graphs 	<p>HT15</p> <ul style="list-style-type: none"> • Statistics (Further) • Transformations • Congruence • Vectors 	<p>HT16</p> <ul style="list-style-type: none"> • Gradients (Further) • Area under a graph • Kinematics • Graphical Transformations 	<p>HT17</p>	<p>HT17</p>	

Two Year A Level Mathematics

		HT1	HT2	HT3	HT4	HT5	HT6	Assessments
Y12		Algebraic Expressions Pure 1 Quadratics Pure 1 Equations and Inequalities Pure 1 Graphs and Transformations Pure 1 Straight Line Graphs Pure 1	Circles Pure 1 Algebraic Methods Pure 1 Binomial Expansion Pure 1 Trigonometric Ratios Pure 1	Trigonometric Identities Pure 1 Vectors Pure 1 Differentiation Pure 1	Integration Pure 1 Exponential and Logarithms Pure 1 Algebraic Methods Pure 2	Functions and Graphs Pure 2 Sequences and Series Pure 2 Binomial expansion Pure 2 Radians Pure 2 Trigonometric Functions Pure 2	Trigonometry and Modelling Pure 2 Parametric Equations Pure 2 Differentiation Pure 2	
Y13		Numerical Methods Pure 2 Integration Pure 2 Vectors Pure 2 Data Collection Applied 1 Measures of Location Applied 1 Modelling in Mechanics Applied 1 Constant Acceleration Applied 1	Representation of Data Applied 1 Correlation Applied 1 Probability Applied 1 Statistical Distribution Applied 1 Forces in Motion Applied 1 Variable Acceleration Applied 1	Hypothesis Testing Applied 1 Regression and Correlation Applied 2 Moments Applied 2 Forces and Friction Applied 2 Projectiles Applied 2	Conditional Probability Applied 2 Normal Distribution Applied 2 Application of Forces Applied 2 Further Kinematics Applied 2			