Curriculum Progression Pathways		Quality of Education: The Curriculum prioritises critical knowledge and gradually builds understanding over time,			
Subject: Mathematics		interleaving concepts at every opportunity. It is underpinned by the principles of cognitive science.			
HoD: Mrs S Moodie		Vision: The Mathematics Department's vision is to enable all students at all levels of attainment to practice to			
2022/23		fluency, to reason and to think mathematically at every possible opportunity.			
KS3		KS4 – Foundation GCSE		KS4 – Higher GCSE	
Year 7	Year 9	Year 10	Year 11	Year 10	Year 11
NP1 – Place value & the	SP2 – Bivariate Data &	Basic Number	Probability	Basic Number	Probability
number line	Time Series	Factors and Multiples	Volume	Factors and Multiples	Volume
NP2 – Addition &	A7 – Sequences 1	Basic Algebra	Quadratics & Rearranging	Basic Algebra	Quadratics and
Subtraction	A8 – Linear Inequalities	Fractions, Decimals &	Scatter Graphs	Fractions, Decimals &	Rearranging
NP3 – Multiplication &	NP12 – Standard Form	Rounding	Inequalities	Rounding	Algebraic Proof
Division	A9 – Contextual Graphs	Angles	Pythagoras' Theorem	Collecting and	Scatter Graphs
NP4 – Powers, roots &	SP3 – Introduction to	Scale Drawing and	Simultaneous Equations	Representing Data	Numerical Methods
Primes	Probability	Bearings	Algebra and Graphs	Angles, Scale Drawing and	Equation of a Circle
NP5 – Order of Operations	A10 – Advanced Linear	Collecting and	Sketching Graphs	Bearings	Further Statistics & Graphs
NP6 – Negative Numbers	Graphs and Equations	Representing Data	Direct and Inverse	Equations of linear graphs	Further Equations &
A1 – Introduction to	GM4 – Congruence and	Coordinates and Linear	Proportion	Sequences	Graphs
Algebraic Thinking	Similarity	Graphs	Trigonometry	Basic Percentages	Simultaneous Equations
NP7 - Fractions	GM5 – Right-Angled	Sequences	Quadratic Equations	Ratio and Proportion	Functions
Year 8	Triangles	Percentages	Quadratic Graphs	Real Life Graphs	Direct and Inverse
NP8 - Percentages	NP13 – Advanced	Ratio and Proportion	Growth and Decay	Perimeter and Area	Proportion
NP9 – Estimation & Use of	Proportion and Rates of	Real Life Graphs	Vectors	Circles	Inequalities
Calculator	Change	Perimeter and Area		Properties of Polygons	Pythagoras' Theorem
A2 – Manipulating &	GM6 - Circles	Circles	Fronth on Foll Turbain a	Equations	Trigonometry
Simplifying Expressions 1	GM7 – Advanced Drawing,	Equations	Further Ed. Training,	Indices	Growth and Decay
GM1 – Drawing,	Measuring & Construction	Indices	Careers	Surds	Vectors
Measuring & Constructing		Standard Form	Lovels, particularly Maths	Basic Probability	Transforming Functions
A3 – Manipulating &		Properties of Polygons	Sciences Coography	Standard Form	Sine and Cosine Rules
Simplifying Expressions 2		Basic Probability	Sciences, Geography,	Measures	Factor Theorem
A4 – Linear Equations		Transformations	Studios	Transformations	Circle Theorems
NP10 – Proportional		Congruence and Similarity	Studies.	Congruence and Similarity	Geometric Proof
Reasoning		2D and 3D representations	More widely Methematics	2D and 3D	Area Under a Curve
GM2 – Polygons & Angles	NP: Number and	Calculating with	Qualifications hold great	Representations	Gradients and Rates of
SP1 – Discrete Data	Proportion	Percentages	sway in all forms of	Calculating with	Change
GM3 - Area	A: Algebra	Measures	amployment As an	Percentages	Algebraic Fractions
NP11 - Ratio	<b>GM</b> : Geometry and	Statistical Measures	indication of higher lovel	Statistical Measures	Binomial Expansion
A5 - Formulae	Measure	Constructions and Loci	logic abstract thinking and	Constructions and Loci	Matrices
A6 – The Cartesian Grid	SP: Statistics and		actute problem solving		Product Rule for Counting
	Probability		astute problem solving.		Further Trigonometry