Subject: Maths	
	Maths Tier 1-2
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Collect and read data in tally charts, bar charts, pictograms and simple pie charts • Find the mode, median and range of discrete data • Recognise and name 2D shapes and 3D solids • Plot and read coordinates in all four quadrants • Calculate the angles in a triangle • Recognise and extend simple number sequences
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 3
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Find the mode, median, mean and range of discrete data • Construct and interpret bar-line graphs, frequency diagrams and simple pie charts • Recognise the properties and types of triangle and quadrilateral • Find angles at a point, on a straight line, in a triangle and vertically opposite • Generate and describe simple sequences • Plot graphs of simple linear functions (using all four quadrants)
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 4
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Estimate and find the mean and median of a set of data • Recognise and use alternate and corresponding angles • Solve problems using side/angle properties of triangles and quadrilaterals • Plot graphs of linear functions • Recognise that equations of the form y=mx+c correspond to linear graphs • Interpret real life graphs
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 5
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Interpreting a set of data using averages and frequency diagrams • Draw plans and elevations of 3D shapes • Find the volume of prisms • Find the surface area of prisms • Generate and plot points of linear functions • Find the gradient of a line
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 6
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Use tree diagrams to represent probability problems (with or without replacement) • Calculate probabilities using AND and OR rules • Solve problems using Pythagoras' theorem • Solve problems using trigonometric identities in right angled triangles • Find the mean and median of large data sets • Draw and interpret scatter diagrams and frequency polygons
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 7
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	• Demonstrate fluency in mathematical concepts taught • Reason mathematically – developing an argument, justification or proof using mathematical language • Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	• Use tree diagrams to calculate probabilities (with or without replacement) • Use trigonometric ratios in right angled triangles in 2D and 3D • Find the area of triangle using ½ absinc • Draw and recognise trigonometric graphs • Use sine and cosine rules in non-right angled triangles • Draw and interpret histograms
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 8-9
KS4 target direction	
Advanced *Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.*	- Demonstrate fluency in mathematical concepts taught - Reason mathematically – developing an argument, justification or proof using mathematical language - Apply mathematical concepts to a variety of routine and non-routine problems
Secure *Students must achieve competence in all statements before being judged secure.*	- Find the point that divides a line in a given ratio - Transform and enlarge 2D shapes - Apply and describe transformations to graphs - Calculate stratified samples - Draw and interpret histograms for continuous data - Know and use circle theorems
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.