

Subject: Maths	
	Maths Tier 1-2
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Identify lines of symmetry in 2D shapes • Reflect a shape in a mirror line • Draw and classify polygons • Order and use positive and negative numbers • Use letter symbols to represent unknown numbers • Collect like algebraic and numeric terms
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 3
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Recognise and visualise symmetries of 2D shapes • Reflect a shape in a given mirror line • Rotate a shape around a point • Translate a shape around a coordinate grid • Understand and use the language of transformations • Identify and use the properties of 2D shape
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 4
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Find the midpoint of a line segment, given its end coordinates • Identify the symmetries of a 2D shape • Rotate a shape around a given point • Reflect a shape in a given line • Translate a shape around a coordinate grid • Enlarge a shape from the origin (positive scale factor)
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 5
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Use a coordinate grid to solve problems using transformations • Apply and describe combinations of transformations • Enlarge 2D shapes around a given point (positive scale factor) • Recognise congruence of shapes with reflection, rotation and translation • Recognise enlargement preserves angles but not lengths • Use and interpret maps and scale drawings
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 6
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Find the length of a line segment given its coordinates • Find the point that divides a line into a given ratio • Enlarge a shape using positive, negative and fractional scale factors • Find the locus of a point • Understand the effects of enlargement on perimeter • Describe a rotation by measuring its angle
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 7
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Plot graphs of quadratic and cubic functions • Understand effects of transformations of graphs • Understand and use function notation • Create graphs of simple loci, including circles • Find intersection points of circles and lines • Sketch and recognise reciprocal, exponential and trigonometric functions
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.

Subject: Maths	
	Maths Tier 8-9
KS4 target direction	
Advanced <i>Students must achieve competence in all objectives in good progress too to be judged as making exceptional progress.</i>	<ul style="list-style-type: none"> • 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 <i>Students must achieve competence in all statements before being judged secure.</i>	<ul style="list-style-type: none"> • Understand and use vector notation • Find the sum, difference and scale multiple of vectors • Find the resultant force of two vectors • Understand and use commutative and associative properties of vectors • Solve problems in 2D using vectors • Use vectors to construct geometric arguments
Developing	4 or more objectives met.
Beginning	Fewer than 4 objectives met.