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| 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"> • Interpret scales of measure, including time • Round decimals up to 2 decimal places • Order decimals up to 2 decimal places • Convert between metric units • Multiply integers and decimals by powers of 10 |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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| 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"> • Construct triangles (ASA/SAS) • Recognise nets of 3D shapes • Accurately measure angles and lines • Multiply and divide decimals by single digit integers • Find equivalent fractions, decimals and percentages • Use and simplify ratio notation |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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| 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"> • Construct perpendicular bisector, angle bisector and perpendicular from a point to a line • Construct a triangle (SSS) • Construct and use scale drawings and bearings • Divide a quantity into a given ratio • Find fractions and percentages of quantities • Simplify ratios, including different units |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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| 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"> • Find interior and exterior angles of polygons • Construct a perpendicular from a point to a line or line from a point • Use order of operations, including powers • Add, subtract, multiply and divide decimals • Find a simple locus • Use rounding to estimate calculations |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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|---|---|
| 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"> • Understand and apply Pythagoras' theorem • Round to a given number of significant figures • Make and justify estimates by rounding to 1 significant figure • Calculate simple upper and lower bounds • Solve problems involving similarity • Solve multi-step problems involving geometrical reasoning |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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| 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"> • Understand and use circle theorems • Prove the congruence of triangles • Understand and use standard form • Calculate upper and lower bounds of calculations • Make and justify estimates, rounding to 1 significant figure • Understand dimensions of formulae |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |

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| 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"> • Convert between recurring decimals and fractions • Find the nth term of linear and quadratic sequences • Sketch translations and reflections of functions • Calculate or estimate gradients and areas under graphs • Use the equation of a circle and tangents to circles • Use inequality notation to indicate error intervals |
| Developing | 4 or more objectives met. |
| Beginning | Fewer than 4 objectives met. |