

**Year 9 Maths**

**Year 9 Maths Curriculum Information**

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|  | **Key Question:** | **Specification:** | **Skill Focus:** |
| **Term 1:** | What is the relationship between these two quantities and how can I express it? | * Standard form & accuracy * Construction * Algebraic proficiency * Proportional reasoning | * Standard form; bounds * Bisector/loci construction; plans/elevation * Product of binomials; factorising quadratics; forming expressions * Direct/inverse proportion; congruence/similarity; density |
| **Term 2:** | How can I find the length of a side in a right-angled triangle? | * Sequences * Inequalities * Mensuration * Proof | * Fibonacci/quadratic sequ. * Solving inequalities & showing on a number line * Area/volume of sectors/cylinders; Pythagoras’ Theorem * Proving mathematically |
| **Term 3:** | What conclusions can I draw from this graph? | * Graphs of functions   **Year 9 Maths Assessment Information**   * Further solving equations * Probability of consecutive events * Graphing data | * Finding equation of straight line; plot quadratic, cubic, reciprocal graphs * Solve simultaneous equations * Tree diagram probability * Time series graphs; using scatter diagrams |

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| **Assessment** | **Time/Venue** | **What will be assessed?** |
| 1 : Linking to Term 1 | * Assessment held in-class * 1hr * Teacher assessed | Calculator mixed questions assessing topics covered up to that point from term 1 |
| 2: Linking to Term 1/2 | * Assessment held in-class * 1hr * Teacher assessed | Non-calculator mixed questions assessing topics covered from term 1, with some from the first few weeks of term 2 |
| 3: Linking to Term 1/2 | * Assessment held in the Exam Hall * 2 x 50 minutes * Teacher assessed | Paper 1: Non-calculator  Paper 2: Calculator  Mixed questions assessing topics from Yr 7, 8 and 9 using edited **proper GCSE exam papers/grade boundaries**. |