

**Year 8 Maths**

**Year 8 Maths Curriculum Information**

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|  | **Key Question:** | **Specification:** | **Skill Focus:** |
| **Term 1:** | How can we decide how likely something is to happen? | * Types of number/approximation * Visualising/constructing * Probability * Algebraic proficiency | * Find HCF/LCM; write in standard form; substitute * Enlarge; 3D/2D drawing; work with bearings * Calculate probabilities * Simplify algebraic expressions; expand & factorise; re-arrange |
| **Term 2:** | What different methods can we use to solve this proportion problem? | * Decimal/fraction/% equivalence * Proportional reasoning * Sequences * Angle rules | * Fractions/decimals/% conversion * Work with ratio; speed * Find/use nth term * Parallel & exterior/interior angle rules |
| **Term 3:** | How could we model this problem in order to solve it? | * Percentages * Solving equations * Circles * Linear/quadratic graphs * Present data   **Year 8 Maths Assessment Information** | * Calculate % change * Solve linear equations/inequalities * Find area/perim. of circles or sectors * Sketch graphs; find gradients/intercepts * Construct histograms & scatter graphs |

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| **Assessment** | **Time/Venue** | **What will be assessed?** |
| 1 : Linking to Term 1 | * Assessment held in-class * 1hr * Teacher assessed | Non-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 1/2/3 | * Assessment held in the Exam Hall * 2 x 50 minutes * Teacher assessed | Paper 1: Non-calculator  Paper 2: Calculator  Mixed questions assessing topics from first two terms, with some from the first few weeks of term 3. |