



## Ursuline College – Maths Department – Year 8 - Curriculum Journey



|        | Term 1                                                                                                                                                                                                                                                                                                                                                             | Term 2                                                                                                                                                                                                                                                                                                                            | Term 3                                                                                                                                                                                                                                                                                                                                                                                                     | Term 4                                                                                                                                                                                                                                                                                                     | Term 5                                                                                                                                                                                                                                                                                                                                                                                  | Term 6                                                                                                                                                                                                                                                                                                                                                                             |
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| Year 8 | <p><b>Unit GM1 –</b><br/>Drawing, Measuring and Constructing<br/>Using a protractor and compass<br/>Constructing triangles<br/>Bisecting lines and angles<br/>Simple Loci</p> <p><b>Unit A3 –</b><br/>Manipulating and Simplifying<br/>Expressions 2<br/>Expanding brackets<br/>Factorising<br/>Expanding double brackets<br/>Forming more complex expressions</p> | <p><b>Unit A4 –</b><br/>Linear Equations<br/>Solving equations<br/>Solving equations with unknown on both sides<br/>Forming then solving equations</p> <p><b>Unit NP10 –</b><br/>Proportional Reasoning<br/>Direct and Indirect proportion<br/>Compare quantities<br/>Percentages involving multipliers<br/>Percentage change</p> | <p><b>Unit GM2 –</b><br/>Polygons &amp; Angles<br/>Angles – straight line, around a point and vertically opposite<br/>Naming and recognising features in triangles and quadrilaterals<br/>Angles in parallel lines<br/>Bearings</p> <p><b>Unit SP1 –</b><br/>Discrete Data<br/>Frequency tables<br/>Graphical representation of discrete data<br/>Grouped data<br/>Averages from data<br/>Compare data</p> | <p><b>Unit GM3 –</b><br/>Area<br/>Finding the area, including the following shapes.<br/>Triangle, quadrilaterals compound shapes and circles</p> <p><b>Unit NP11 –</b><br/>Ratio<br/>Simplifying and sharing ratios<br/>Scale drawings<br/>Fractions from ratios<br/>Finding missing parts using ratio</p> | <p><b>Unit A5 –</b><br/>Formulae<br/>Substitution<br/>SDT/DMV/PFA<br/>Generation sequence from a formulae<br/>Rearranging linear and non-linear formulae</p> <p><b>Unit A6 –</b><br/>The Cartesian Grid<br/>Coordinates<br/>2D Vectors<br/>Drawing and recognising graphs<br/>Finding the gradient<br/>Find the equation to a line<br/>Identify parallel lines from their equations</p> | <p><b>Unit SP2 –</b><br/>Bivariate Data &amp; Time<br/>Scatter graphs<br/>Line of best fit and correlations<br/>Line graphs for time series data</p> <p><b>Series Unit A7 –</b><br/>Introduction to Sequences<br/>Find and use Nth term from a linear sequence<br/>Recognise common sequences<br/>Fibonacci-style sequences</p> <p><b>End of Year revision and assessments</b></p> |



*(Using a Highlighter, Highlight each section when it is completed.)*

