

Curriculum Map  
**Year 8 Maths SET 3**

| Time Period                        | Autumn Term                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Spring Term                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Summer Term                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Content</b>                     | <ul style="list-style-type: none"> <li>Factors, Multiples, Powers and Roots and Negative Numbers</li> <li>Parallel Lines, Transformations and Constructions</li> <li>Probability</li> <li>Algebraic Expressions and Laws of Indices</li> <li>Percentages</li> <li>Area and Volume</li> <li>Standard Form</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>Linear and Non-Linear Graphs</li> <li>Interpreting data</li> <li>Congruence and Scaling</li> <li>Fractions and Decimals</li> <li>Direct and Inverse Proportion</li> <li>Circles</li> <li>Sequences</li> <li>Revision of key topics from Autumn Term</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>Equations and formulae</li> <li>Comparing data</li> <li>Revision of key topics from Spring Term</li> </ul>                                                                                                                                                                                                                                                                                                                                               |
| <b>Skills</b>                      | <p><b>Number</b><br/> add, subtract, multiply and divide negatives, HCF and LCM, squares, cubes and roots, prime factors</p> <p>calculate percentages, calculate the value after a percentage increase/decrease, calculate the percentage change</p> <p>powers of 10,<br/> round large numbers to the asked degree of accuracy,<br/> rounding to the asked number of significant figures, use rounding estimate answers, problem-solving with decimals</p> <p><b>Algebra</b><br/> algebraic notation, simplify expressions by collecting like terms and multiplying terms, expand brackets, use algebra in Shape, use index notation</p> <p><b>Geometry</b><br/> identify parallel and perpendicular lines, angles in triangles and quadrilaterals, translate and rotate 2D shapes</p> <p>area of rectangles and compound shapes made from rectangles, area of triangles, area of parallelograms</p> <p><b>Probability</b><br/> probability scales, fair and biased events, sample space diagrams for mixed events, experimental probability</p> | <p><b>Number</b><br/> adding, subtracting, multiplying and dividing with fractions and integers, multiplication and division involving powers of 10</p> <p><b>Algebra</b><br/> graphs from linear rules/equations, graphs from simple quadratic equations, distance-time graphs</p> <p>use flow diagrams to generate sequences, nth term of sequences, the Fibonacci sequence</p> <p><b>Ratio and Proportion</b><br/> direct proportion, represent direct proportion algebraically and graphically, inverse proportion, understand the difference between direct and inverse proportion</p> <p><b>Geometry</b><br/> recognise congruent shapes, use ratios to compare lengths and areas of 2D shapes, understand and use scale diagrams</p> <p>the circle and its parts, work out the circumference of circles using a formula</p> <p><b>Statistics</b><br/> Interpret data from charts and tables, draw pie charts, interpret pie charts, read scatter graphs</p> | <p><b>Algebra</b><br/> solve one-step and two=step equations in one variable, solve more complex equations involving brackets and fractions, substitution into expressions and formulae</p> <p><b>Statistics</b><br/> create grouped frequency tables from raw data, draw a diagram from a frequency table, understand and calculate the mean average of a data set, use the mean and range to compare data from two sources, understand when each different type of average is most useful</p> |
| <b>Assessment week and content</b> | <b>11.11.25</b><br>All of the above, <b>except</b> content highlighted in green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>03.02.26</b><br>Content highlighted in green in Autumn Term and Spring Term                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>w/c 04.05.26</b><br>All the content covered over the year                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Grow and Succeed