

## Maths KS3 Assessment Framework

|   | Beginning   | Working Towards   | Expected   | Exceeding  | Excelling   |
|---|---|---|--|--|---|
|   | Grade 1   | Grade 2-3   | Grade 4-5  | Grade 6-7  | Grade 8-9   |
| <b>Term 1:<br/>Investigations -<br/>Intro to Number,<br/>Algebra, Geometry<br/>&amp; Statistics</b> | I can:<br><b>Begin to</b>   | I can:<br><b>Sometimes</b>                                  | I can:<br><b>Mostly</b>                          | I can:<br><b>Confidently</b>                       | I can:<br><b>Confidently use and apply in context:</b>            |
|   | Recognise the place value of any number in an integer up to one billion | Work out intervals on a number line                         | Compare two numbers using =, ≠, <, >, ≤, ≥       | Compare and order any number up to one billion     |   |
|   | Understand and write integers up to one billion in words and figures    | Position integers on a number line                          | Position decimals on a number line               | Round a number to 1 significant figure             |   |
|   | Round integers to the nearest power of ten                              | Compare two numbers using =, ≠, <, >, ≤, ≥                  | Understand and use order of operations           | Understand and use order of operations             |   |
|   | Order a list of integers  |   |  |  |   |
|   | Use letters to generalise   | Use letters to generalise                                   | Create simple expressions                        | Use simple expressions to generalise               | Various expressions linking faces & edges of shapes to generalise |
|   | Understand average  | Calculate Mean, Median, Mode                                | Calculate Mean, Median, Mode                     | Calculate Mean, Median, Mode                       | Identify appropriate averages                                     |
|   | Understand measure of spread  | Calculate Range   | Calculate Range                                  | Calculate Range                                    | Solve problems involving mean, median, mode, range                |
|   |   |   |  |  | Compare distributions using averages and the range                |
|   | Know names of 2D shapes   | Recognise prisms (including language of edges and vertices) | Accurate nets of cubes                           | Find area of 2D shapes (R)                         | Volume of other 3D shapes - prisms and cylinders                  |
| Know names of 3D shapes   | Volume of cubes and cuboids   | Find area of 2D shapes (R)                                  | Volume of cubes and cuboids                      | Explore volumes of cones, pyramids and spheres (H) |   |
|   |   | Volume of cubes and cuboids                                 | Volume of other 3D shapes - prisms and cylinders |  |   |
|   |   | Volume of other 3D shapes - prisms and cylinders            |  |  |   |