**Websites:**

<http://www.national5maths.co.uk/free-national-5-maths-2/>

**Point of contact:**

Miss Mackay - Principal Teacher of Mathematics

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| **Course Outline** |
| Scientific Notation |
| Fractions – Add/subtract/multiply/divide |
| Percentages – Appreciation/Depreciation/Working backwards |
| Algebra – Expressions and Solving Equations |
| Straight Line |
| Functions |
| Surds and Indices |
| Circles – angle, arc length, sector area |
| Volume – cylinder, cone, sphere, pyramid, composite volumes |
| Factorising and Completing the square |
| Algebraic Fractions |
| Pythagoras |
| Angles in a circle |
| Similarity |
| Changing the subject of a formula |
| Simultaneous Equations |
| Further Trigonometry – Sine Rule/Cosine Rule /Area of a Triangle |
| Statistics |
| Vectors |
| Trigonometry - Graphs and Equations |
| Quadratics - Graphs and Equations |

The final exam consists of a formal written examination which is marked externally by the SQA.

* Paper 1 – Non Calculator
* Paper 2 – Calculator

In order to maximise performance, I would recommend using some of the following strategies:-

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| **Strategy** |
| Produce a study planner to ensure regular study each week |
| Revise course notes |
| Complete all homework tasks set and on time |
| Attend supported study classes on offer  |
| Attempt SQA past examination questions regularly throughout the year |
| Inform the teacher of areas of work that are proving problematic |
| Work with a friend to share ideas and complete tasks |
| Apply more effort in class to ensure all work is complete |
| Make use of on-line learning resources such as www.national5maths.co.uk/free-national-5-maths-2/ |
| Manage time to ensure all questions in an examination can be attempted |
| Ensure layouts and procedures for calculations are followed |
| Engage more with classroom discussions to develop knowledge and understanding |

 **Respect Responsibility Ambition** 

 **Every child has the right to an education: UNCRC Article 28**

**Course: Mathematics Level: National 5**