

Subject:

Mathematics



HECKMONDWIKE
GRAMMAR SCHOOL

KS5 - Year 13 Curriculum Overview

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Pure Functions Differentiation Trigonometric Functions Trigonometric Identities Further Differentiation Applied Kinematics Forces and Motion Friction	Term 1 Topic test on Functions Term 2 Maths mock – covers all topics taught up to that point Topic test on Forces and Friction	Use your reflection sheets from year 12 mocks to focus your revision. Use exam questions on PMT to get relevant practice. Use <i>Uplearn</i> to recap and revise topics Keep work organised in separate files for Pure, Mechanics and Statistics Start to use AS and A level Past Papers for revision: https://mmerevise.co.uk/a-level-maths-revision/aqa-past-papers/

CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS

	Topics being taught	What you will be assessed on	How you can support at home
Spring Term	Pure Integration Parametric Equations Differential Equations Numerical Methods Applied Moments Normal Distribution Hypothesis Testing involving Sample Means Projectiles	Term 3 Topic Test on Calculus Term 4 Maths Mock – covers all topics taught to that point	Use green pen on your work to remind you of key pointers when you come to revise Use your teachers and maths clinic to get help on maths questions you have got stuck on Write out key formulae you need to know on flash cards and keep coming back to them to revise Green pen work your mock and aim to try the mock again over Easter to check you fully understood any errors made.

EASTER HOLIDAYS - EASTER HOLIDAYS - EASTER HOLIDAYS - EASTER HOLIDAYS - EASTER HOLIDAYS

	Topics being taught	What you will be assessed on	How you can support at home
Summer Term	Pure Proof Applied Vectors Bivariate Data	Term 5 Regular exam questions given Term 6 Three A level exams 1) Pure paper 2) Pure and Mechanics Paper 3) Pure and Statistics Paper	Do as many practice questions as you can. As well as doing AQA ones, OCR questions are also valuable to do. Keep doing questions and ask your maths teacher for help with any exam question you didn't understand. After doing a past paper, read the examiner's reports to see where the common errors were. Before the day of the exam, make sure you don't go to bed late and have breakfast on the morning of an exam!