

PCHS Curriculum Information

Course Title: A Level Maths	Exam Board: AQA	Specification Code: 7357
How will students be assessed? A level Mathematics is a linear course which is assessed at the end of year 13 with three examinations. Each exam is marked out of 100 and lasts for 2 hours. The papers are all calculator papers and are equally weighted, each being worth 33% of the final mark. Each paper has a mix of question styles varying from short single mark questions to longer unstructured questions. Paper one examines Pure Mathematical methods only, paper two examines topics from Pure Mathematics and Mechanics, paper three is Pure Mathematics and Statistics. The A level syllabus requires students to demonstrate their skills and knowledge through the application of problem solving techniques and with the use of clear, precise and appropriate mathematical language.		

KEY CONTENT
Half Term 1 <u>Pure content</u> Further differentiation (recap) Further integration Functions and combining transformations, modulus (recap) Binomial Theorem, partial fractions and application to integration Numerical methods <u>Applied content</u> 3D Vectors Kinematics in two dimensions Equilibrium and resolving
Half Term 2 <u>Pure content</u> Trigonometry – Addition formulae and $R\sin(x+a)$ form Sequences and series Parametric equations <u>Applied content</u> Statics and dynamics Moments
Half Term 3 <u>Pure content</u> Differential equations, setting up and solving Implicit differentiation <u>Applied content</u> Further probability Statistical distributions

Half Term 4

Pure content

Begin exam prep

Applied content

Statistical hypothesis testing

Half Term 5

Exam preparation

Half Term 6