

## Cambridge A2 Mathematics Paper (Pure 3)

This paper (pure 3) is combined with statistics 2 to make up half of the full A level course. The first half was completed in Year 12 (AS level). The weighting of this years' papers are 60% pure and 40% statistics. For the overall A level grade the following weightings apply. In order to take this course a satisfactory result is required in the AS course.

Pure 1	30%
Stats 1	20%
Pure 3	30%
Stats 2	20%

The topics covered this year will be complemented with NCEA work that is not in the A2 course.

The topics to be covered (not necessarily in this order) are

1. Algebra
2. Logarithmic and exponential functions
3. Trigonometry
4. Differentiation
5. Integration
6. Numerical solution of equations
7. Vectors
8. Differential equations
9. Complex numbers

A stand alone NCEA topic is Achievement Standard 3.5 conic sections. Assessment will be by topic tests a mid year and end of year examination.

The external examination is scheduled for November 2010.