

## Year 12 Cambridge AS Mathematics

This course is the first of a 2 year programme. The Advanced Subsidiary (AS) Level requires 2 papers from the schedule. The details of the available courses can be found on [www.cie.org.uk](http://www.cie.org.uk).

CHBS offers papers 1 and 6 of course 9709. These are Pure Mathematics (paper 1) and Statistics and Probability (paper 6). Upon successful completion of the AS course a pupil may be invited to study the 'A2' course in year 13.

Both papers will be taught concurrently and comprise a total of 14 units. Also required, **is a revision unit on surds and indices.**

The units are:

1. Coordinate Geometry
2. Quadratics
3. Functions
4. Representation of Data
5. Circular Measure
6. Trigonometry
7. Permutations and Combinations
8. Probability
9. Series
10. Differentiation
11. Discrete Random Variables
12. Integration
13. The Normal Distribution
14. Vectors

The 2 papers are examined separately. Paper 1 is 1h 45 min (75 marks) and paper 6 is 1 hour 15 min (50 marks).

Complementing the external examination, there will be end of topic tests, a mid year examination and a end of year examination done in 2 parts.

### **External Examination dates 2009**

Paper 1 – 28 October (Provisional)

Paper 6 – 11 November (Provisional)