

2010 SENIOR COURSE INFORMATION

Head of Department.CAM
Name of Teacher

SUBJECT:Maths alt.
C. McBride

	Year 11 - 102	Year 12 - 202	Year 13 - Statistics and Modelling
Course Content	Algebra Graphs Measurement Geometry Statistics Probability Trigonometry Number	Algebra Graphs Coordinate Geometry Surveying Probability Statistics Sequences Trig equations Networks	Probability Confidence Intervals Equations Probability Distributions Time Series Bivariate Data Curve fitting
Pre Requisites	Nil	12 credits	9 credits (out of 17) external papers in 201 course plus 2.5 Sampling 2.6 Probability
Assessment	<p>External (8 credits)</p> <p>1.2 Sketch and interpret graphs (3) 1.7 Solve straightforward number Problems in context (3) 1.8 Solve right-angle triangle Problems (2)</p> <p>Internal (up to 15 credits)</p> <p>Unit standards in Algebra (3) Number (2) Probability (2) 1.5 Use Statistical methods and Information (3) 1.3 (3) 1.4 (2) repeat if not achieved.</p>	<p>External (7 credits)</p> <p>2.2 Draw straightforward non-linear graphs (3) 2.4 Use coordinate geometry Methods (2) 2.7 Solve straightforward problems involving arithmetic and geometric sequences (2)</p> <p>Internal (up to 14 credits)</p> <p>Unit standards in Networks (2) Surveying (3) Statistics (2) 2.6 Simulate probability situations And apply the normal Distribution(2) 2.5 (3) and 2.8(2) if not achieved</p>	<p>External (15 credits)</p> <p>3.2S Calculate Confidence Intervals for population Parameters (3) 3.3S Solve straightforward Problems involving probability (4) 3.4S Solve Equations (4) 3.6S Use Probability Distribution Models to solve straightforward problems (4)</p> <p>Internal (9 credits)</p> <p>3.1S Determine the trend for time series data (3) 3.5S Select and analyse Continuous bi-variate data (3) 3.7S Use a mathematical model Involving curve fitting to Solve a problem (3)</p>
Costs	\$35 including workbook with CD and revision exam papers	\$35 including workbook with CD and revision exam papers	\$35 including workbook with CD and revision exam papers