

# *Oxley College*

Mathematics Department  
Year 10 Pathway B  
Mid-Year Exam 2011

## STUDY GUIDE

The Examination will contain work from:

- 1 Years 7 and 8 programs (and earlier).
- 2 Years 9 and 10:
  - Indices including negative and fractional Indices
  - Significant Figures and Scientific Notation
  - Algebraic Techniques
  - Earning and Spending including taxation
  - Equations and Inequations
  - Recurring decimals to fractions
  - Right-Angled Triangle Trigonometry
  - Coordinate Geometry
  - Simultaneous Equations – algebraic techniques
  - graphically
  - Data – measures of Central Tendency
  - measures of Dispersion
  - Non-Right-Angled Triangle Trigonometry
  - Compound Interest and Depreciation
- 3 There will be five major sections:
  - Section 1 Consumer Arithmetic and Basic Number
  - Section 2 Algebraic Techniques
  - Section 3 Coordinate Geometry
  - Section 4 Trigonometry
  - Section 5 Data Analysis