



MATHEMATICS (MAT)

USER PAY FEES: Nil.

OPTIONAL COMPETITIONS:

ICAS (NSW University) – Nil.

Australian Math’s - Approximately \$6.60.

SUBJECT INFORMATION

The Mathematics program in year 10 is a preparatory course for years 11 and 12. Students will be allocated to a level of Mathematics based on their year 9 final results. An A or B in year 9 Maths will be a student enrolled in the Mathematical Methods course. A result of C or a D in year 9 would equate to General Maths and if a student has struggled in year 9 then they will do Essential Maths. The very top students will be offered Specialist Mathematics for terms 2 and 3.

COURSE OVERVIEW		
Essential Maths	General Maths	Mathematical Methods
Semester 1		
Term 1 <ul style="list-style-type: none"> • Basic Operations <ul style="list-style-type: none"> - Whole Numbers - Decimals - Integers - Fractions Term 2 <ul style="list-style-type: none"> • Statistics and Data <ul style="list-style-type: none"> - Graphs - Tables - Mean - Median - Mode 	Term 1 <ul style="list-style-type: none"> • Basic Operations • Powers and Roots • Scientific Notation Term 2 <ul style="list-style-type: none"> • Statistics and Data 	Term 1 <ul style="list-style-type: none"> • Order of Operations • Integers • Fractions • Algebra Term 2 <ul style="list-style-type: none"> • Linear Equations • Simultaneous Equations • Measurement
Semester 2		
Term 3 <ul style="list-style-type: none"> • Measurement <ul style="list-style-type: none"> - Length - Area - Volume - Mass - Time Term 4 <ul style="list-style-type: none"> • Rates, Ratio <ul style="list-style-type: none"> - Wages - Life Related Ratio • Finance <ul style="list-style-type: none"> - Shopping - Discounts - Personal Banking • Navigation <ul style="list-style-type: none"> - Compass Bearings • Simple Algebraic <ul style="list-style-type: none"> - Life Related Algebra 	Term 3 <ul style="list-style-type: none"> • Measurement • Pythagoras Theorem • Trigonometry Term 4 <ul style="list-style-type: none"> • Rates, Ratio and Proportion • Finance • Navigation • Simple Algebraic Manipulations 	Term 3 <ul style="list-style-type: none"> • Trigonometric Ratios • Data – Grouped and Ungrouped • Index Notation Term 4 <ul style="list-style-type: none"> • Quadratic Equations • Logarithms
Assessment Techniques <ul style="list-style-type: none"> • Practical skills assessment, tests and assignments 		