

Year 12 Essential Mathematics 2017 Overview
Teacher: Lois Haska

Weeks	Topics	Content	Assessment
Term 1 1-5	Scales, Plans and Models	<ul style="list-style-type: none"> - 2D Shapes and their properties - 3D Shapes and their properties - Scaled Diagrams - Reading and Interpreting Scaled Diagrams - Bearings 	Scales, Plans and Models SAT #1
Term 1 6-11	Measurement	<ul style="list-style-type: none"> - Conversion between units - Perimeter of composite shapes - Rearrange formula - Pythagoras Theorem - Trigonometry - Sine Rule - Cosine Rule - Area of composite shapes - Surface area of composite shapes - Volume 	Measurement SAT #2 Scales, Plans and Models and Measurement Investigation
Term 2 1-6	Business Applications	<ul style="list-style-type: none"> - Location of premises - Cost of business premises - Discount - GST - Depreciation - Work Cover/Insurance - Break-even - Profit and Loss Statements 	Business Applications SAT #3
Term 2 7-10 Term 3 1-3	Statistics	<ul style="list-style-type: none"> - Sampling methods - Sample Size - Bias - Measures of central tendency - Measures of central spread - Outliers - Stem & Leaf Plots - Box and Whisker plots - Pearson's Correlation Coefficient - Linear regression 	Statistics Investigation
Term 4 4-10	Investments and Loans	<ul style="list-style-type: none"> - Simple Interest - Inflation and taxation - Future-value annuities - Present-value annuities - Loan Calculations 	Investments and Loans SAT #4 Investments and Loans Investigation
Term 4 Revision			
EXAM (2hrs) November 9th 2017 at 8.45am			