

Mathematics Applied 2

2010 Course Outline

		Topic	Assessment
Term I	1	Finances Money, percentages, GST, Budgeting, Wages, taxes, HP, Currency conversions	U.S. 5234 (end Feb)
	2	Number Solve straightforward number problems in context	U.S. 5235 (Mid March)
	3	Measurement Perimeter, Area, Volume, Bearings Solving Measurement Problems	U.S. 5241 (Early April)
	4	Computing Spreadsheets – Excel, Word Applications to “Planning a Trip” (Itinerary, Budget, Commentary)	Project (Mid April)
Term II	5	Tables and Graphs Timetables Distance/time graphs	U.S. 5226 (mid May)
	6	More Graphs Line graphs Parabola, Quadratic, Circle, Hyperbola	U.S. 5238 (Mid June)
	7	Statistics Exploring Data Evaluating Reports	U.S. 5240 (early July)
Term III	8	Probability Practical probability Simulations Theoretical probability	U.S. 5242 (Mid August)
	9	Geometry and Design Transformations Loci	U.S. 5237 (End August)
	10	Models and Construction Isometric Drawings Constructing nets Making models	U.S. 5231 (Mid September)
Term IV	11	Trigonometry Pythagoras Right angle trigonometry	U.S. 5236 (End October)
	12	Algebra Using patterns Equations and formulae	U.S. 5239 (Early November)
	13	Building Project House plans 3D Architect (on Computer) *Or U.S. 5251(Triangle Problems)	Project (mid November)

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Number	Level	Credits		Date
8490	1	2	<ul style="list-style-type: none"> Solve problems using calculations with numbers expressed in different forms 	
5224	1	2	<ul style="list-style-type: none"> Use decimals and percentages to solve problems 	
5226	1	2	<ul style="list-style-type: none"> Construct tables and graphs Use tables and graphs 	
5227	1	3	<ul style="list-style-type: none"> Solve problems involving money 	
5234	1	3	<ul style="list-style-type: none"> Use calculations in money situations 	
5235	1	2	<ul style="list-style-type: none"> Use strategies to solve number problems 	
5236	1	2	<ul style="list-style-type: none"> Use Pythagoras Theorem and Trigonometry to solve problems involving right angled triangles 	
5237	1	3	<ul style="list-style-type: none"> Describe situations using transformations Select and apply transformations to solve problems Use loci to solve problems 	
5238	1	4	<ul style="list-style-type: none"> Draw and describe graphs involving two variables 	
5239	1	3	<ul style="list-style-type: none"> Use patterns, equations and formulae to solve problems 	
5240	1	3	<ul style="list-style-type: none"> Carry out an investigation and interpret data Interpret data to answer questions about situations 	
5241	1	3	<ul style="list-style-type: none"> Use strategies to solve measurement problems 	
5242	1	2	<ul style="list-style-type: none"> Determine probabilities 	
5245	2	2	<ul style="list-style-type: none"> Solve coordinate geometry problems 	
5246	2	4	<ul style="list-style-type: none"> Use techniques to manipulate and simplify algebraic expressions Use algebraic methods to solve problems 	
5248	2	2	<ul style="list-style-type: none"> Use sequences and series to solve problems 	
5251	2	3	<ul style="list-style-type: none"> Choose and apply trigonometric methods to solve problems involving lengths and angles 	
Total credits		46		