



YEAR 12 MATHS A WORK PLAN: Semester 1, 2017 - Ms Every, Mr Mooney

UNIT	TERM 1 TOPICS	ASSESSMENT	DUE DATE
1	Managing Money (Weeks: 1 – 5) EX: 3A → 3I 1) Flat Rates 2) Home Loans 3) Cost of Loans 4) Loan Repayments 5) Bonds 6) Bank Accounts 7) Real Estate 8) Stock Market 9) Graphing share performance	Assignment 3.2 ASX Sharemarket Game Assignment (Registration opens 9 Feb – game runs 9 March – 17 May) Exam 3.1 a (Unit 1)	Hand out: End Week 6 2 and 3 March Monitoring: End Week 8 16 th / 17 th March Week 6 Wed 1 st March Lessons 5 & 6
2	Operations Research (Weeks: 6 – 9) EX: 7A → 7D 1) Introduction to Networks 2) Minimum Spanning Tree 3) Shortest Path 4) Network Flow	Exam 3.1 b (Unit 2)	Week 10 Wednesday 29 th March Lessons 5 & 6
UNIT	TERM 2 TOPICS	ASSESSMENT	DUE DATE
3	Simple and Compound Interest (Weeks:1-4) EX: 1A,B,D,F Ex: 2A →2D 1) Simple Interest 2) Finding P R and T 3) Compound Interest 4) Nominal and Effective Interest Rates 5) Appreciation and Depreciation 6) Straight Line Depreciation 7) Diminishing value deprecation	Assignment 3.2 ASX Share market Game and Assignment (Continued)	Due: End Week 6 (25 / 26 May)
4	Navigation 1 (Weeks:5-10) EX: 5A → 5I EX: 5K → 5M 1) Review of earth geometry 2) Earth in 2 dimensions 3) Nautical mile and Knot 4) Using the Compass 5) Compass Bearings 6) Fixing a position 7) Come to the rescue 8) Transit Fix 9) Running Fix 10) Dead Reckoning 11) Let's go Cruising	End of Term Exams 3.3A Unit 3 3.3 B Unit 4	Exam Blocks Week 9 Monday 12 th June

This work plan was last updated on Wednesday, 22 February 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.