



YEAR 10 MATHS A PREP WORK PLAN: Semester 1, 2017 – Mr. Bindley, Mr Telleman

UNIT	TERM 1 TOPICS	ASSESSMENT	DUE DATE
1	<u>Measurement Chapter 3 (pages 104-154) (4 weeks)</u> 3.1 Area 3.2 Surface area of prisms and cylinders 3.3 Volume of prisms and cylinders 3.4 Surface Area of Tapered Solids and Spheres 3.5 Volume of tapered Solids and Spheres 3.6 Applications of Volume	Summative Exam Unit 1 (45min)	Week 5 Thursday 23 rd February Lesson 4 In class
2	<u>Algebra Chapter 2 (pages 52-103) (3 weeks)</u> 2.1 Expanding brackets 2.2 Factorising using common factors 2.7 Rearranging formulas	Summative Exam Unit 2 (45min)	Week 9 Wednesday 22 nd March Lessons 3 & 4 In class
3	<u>Statistics Chapter 7 (pages 317-397) (2 weeks)</u> 7.1 Cumulative frequency curves 7.2 Box plots 7.3 Comparing data sets		
UNIT	TERM 2 TOPICS	ASSESSMENT	DUE DATE
3	<u>Statistics Chapter 7 (pages 317-397) continued</u> 7.4 Scatter plots and data investigations	Investigation Task Statistics and Modelling Individual and Class Time + In Class task (45 min)	Hand out: Week 6 Friday 26 th May Monitoring: Week 7 Wednesday 31 st May Due: Week 8 Monday 5 th June
4	<u>Linear Relationships Chapter 4 (pages 155-213) (3 weeks)</u> 4.1 Linear equations 4.2 Gradient 4.3 Sketching linear graphs 4.4 Parallel and perpendicular lines 4.6 Simultaneous equations (Graphically)		
5	<u>Financial Mathematics Chapter 1 (pages 2-33) (5 weeks)</u> 1.1 Interest – Simple Interest 1..2 Compound interest- The general formula, annual rests and non-annual rests 1..3 Compound interest – Further Applications (Extension only) 1..5 Depreciation 1.6 Growth and Decay	Summative Exam Topics 4 and 5 (90min)	Blocked Exam TBC

This work plan was last updated on Tuesday, 30 May 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.