

Senior Essential Mathematics (Applied)
Learning and Assessment Overview 2021

Year 11				Year 12			
MAE Unit 1 Number, data and graphs		MAE Unit 2 Money, travel and data		MAE Unit 3 Measurement, scales and data		MAE Unit 4 Graphs, chance and loans	
In Unit 1, students will develop the mathematical understanding and skills to solve problems in the following topics. The fundamental topic of calculations is integrated throughout all topics.		In Unit 2, students will develop the mathematical understanding and skills to solve problems in the following topics. The fundamental topic of calculations is integrated throughout all topics.		In Unit 3, students will develop the mathematical understanding and skills to solve problems in the following topics. The fundamental topic of calculations is integrated throughout all topics.		In Unit 4, students will develop the mathematical understanding and skills to solve problems in the following topics. The fundamental topic of calculations is integrated throughout all topics.	
Topics • Fundamental topic: Calculations 1.: Number 2. Representing data 3. Graphs.		Topics • Fundamental topic: Calculations 1. Managing money 2. Time and motion 3. Data collection.		Topics • Fundamental topic: Calculations 1. Measurement 2. Scales, plans and models 3. Summarising and comparing data.		Topics • Fundamental topic: Calculations 1. Bivariate graphs 2. Probability and relative frequencies 3. Loans and compound interest.	
Unit Duration Yr 11 Weeks 1 - 16 (16 weeks)		Unit Duration Yr 11 Weeks 21 - 33 (13 weeks)		Unit Duration Yr 11 Weeks 34-38, Year 12 Weeks 1 - 16 (20 weeks)		Unit Duration Weeks 16 - 37 (21 weeks)	
Assessment Task/s		Assessment Task/s		Assessment Task/s		Assessment Task/s	
MAE 11.01.01 Problem-solving and modelling task Weighting : 25% Conditions: 5 weeks, including 10 hrs classtime, up to 8 pages, max 1000 words Issued: T 1 Week 4 Due: T 1 Week 9	MAE 11.01.02 Examination Weighting: 25% Conditions: 60 mins + 5 mins perusal, short response items Issued: n/a Due: T 2 Week 6	MAE 11.02.01 Problem-solving and modelling task Weighting : 25% Conditions: 5 weeks, including 10 hrs classtime, up to 8 pages, max 1000 words Issued: T 3 Week 1 Due: T 3 Week 5	MAE 11.02.02 Examination Weighting: 25% Conditions: 60 mins + 5 mins perusal, short response items Issued: n/a Due: T 4 Week 2	MAE 12.03.01 Problem-solving and modelling task Weighting : 25% Conditions: 5 weeks, including 10 hrs classtime, up to 8 pages, max 1000 words Issued: T 1 Week 4 Due: T 1 Week 8	MAE 12.03.02 Common Internal Assessment Weighting: 25% Conditions: 60 mins + 5 mins perusal, short response items Issued: n/a Due: T 2 Week 2	MAE 12.04.01 Problem-solving and modelling task Weighting : 25% Conditions: 5 weeks, including 10 hrs classtime, up to 8 pages, max 1000 words Issued: T 3 Week 4 Due: T 3 Week 9	MAE 12.04.02 Examination Weighting: 25% Conditions: 60 mins + 5 mins perusal, short response items Issued: n/a Due: T 4 Week 3