Year 11 General Mathematics
Work rate calendar (WRC) 2025   Term 1

All students are expected to participate in all online lessons and complete all assessment as outlined in this **Work rate calendar**.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	27 Jan – 31 Jan	Unit 1: Money, measurement, algebra and linear equations	Monday 27 January — Australia Day Holiday Tuesday 28 January – Welcome calls: Years Prep–12 Wednesday 29 January – Learning for success: Years Prep–12 **Unit 1 - Topic 1 – Consumer Arithmetic** Introduction and Unit Outlines	
2	3 Feb – 7 Feb		Monday 3 February — Brainstorm Productions: Years 7–12 (11am–2pm) Lesson 1 – Wages and Salaries, Overtime Lesson 2 – Commission and Piecework Lesson 3 – Government Allowances and Pensions	**Exercises 1B, 1C** Exercises as per Learning Guide
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 Lesson 1 – Rates and Percentages, % Increase and Decrease, GST Lesson 2 – Applications of % Increase and Decrease	**Exercises 1E, 1A, 1F** Exercises as per Learning Guide
4	17 Feb – 21 Feb		Lesson 1 – Budgeting Lesson 2 – Unit Cost Method	**Exercises 1D, 1G, 1H** Exercises as per Learning Guide
5	24 Feb – 28 Feb		Lesson 1 – Foreign Currency Exchange Rates Lesson 2 – Shares and Dividends	**Exercises 1I, 1J, 1K** Exercises as per Learning Guide
6	3 Mar – 7 Mar	Unit 1: Money, measurement, algebra and linear equations	**Unit 1 – Topic 2 – Shape and Measurement** Lesson 1 – Pythagoras' Theorem and Pythagoras in 3D Lesson 2 – Perimeter and Area Lesson 3 – Surface Area	**Exercises 2A, 2B, 2C, 2D, 2G** Exercises as per Learning Guide
7	10 Mar – 14 Mar		Lesson 1 – Volume and Capacity **Unit 1 – Topic 3 – Similarity and Scale** Lesson 2 – Similarity – Triangles and other figures Lesson 3 – Scaling Similar Figures, Scale Drawings	**Exercises 2E, 2F, 3A, 3B, 3C, 3D** Exercises as per Learning Guide
8	17 Mar – 21 Mar		Lesson 1 – Similar Solids (3D), Problem Solving Lesson 2 – Revision Lesson 3 – Revision	**Exercises 3E, 3F** Exercises as per Learning Guide
9	24 Mar – 28 Mar		**Exams: Year 11** Monday 24 March – Friday 28 March **DA1 – Exam** DA1 will assess Unit 1: Topics 1, 2 & 3	**DA1 - EXAM** Exam due Friday 28th March 5pm
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 **Unit 1 – Topic 4 - Algebra** Lesson 1 – Substitution and Tables of Values (old unit 2 topic 2) Lesson 2 – Transposition of Formulas (old unit 2 topic 2)	**Exercises 4A, 4B, 4C** Exercises as per Learning Guide

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

Year 11 General Mathematics
Work rate calendar (WRC) 2025   Term 2

All students are expected to participate in all online lessons and complete all assessment as outlined in this **Work rate calendar**.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	21 Apr – 25 Apr	Unit 1: Money, measurement, algebra and linear equations	Monday 21 April — Easter Monday Tuesday 22 April – Thursday 24 April — School camp: Year 11 Friday 25 April — Anzac Day Lesson 1 - Review Substitution and Transposition **Unit 1 – Topic 5 – Linear equations and their graphs** Lesson 2 – Solving Linear Equations	**Exercise 5A** Exercises as per Learning Guide
2	28 Apr – 2 May		Lesson 1 – Linear Equations from Worded Problems Lesson 2 – The linear formula ($y = mx + c$); gradient and y-intercept Lesson 3 – Practical Problems	**Exercises 5B, 5E, 5F** Exercises as per Learning Guide
3	5 May – 9 May		Monday 5 May — Labour Day Lesson 1 – Sketching linear graphs Lesson 2 – Linear Modelling	**Exercises 5C, 5D, 5G, 5H** Exercises as per Learning Guide
4	12 May – 16 May		Lesson 1 – FA1 Revision Lesson 2 – FA1 Revision Lesson 3 – FA1 Revision	**Chapter 6 – Unit 1 Revision Questions**
5	19 May – 23 May		**FA1 Revision and completion of FA1** FA1 Covers Unit 1 – Topics 1, 2, 3, 4 & 5	**FA1 – EXAM** Exam due to be received by BrisbaneSDE by 5pm Friday 23rd May 2025
6	26 May – 30 May	Unit 2: Applications of linear equations and trigonometry, matrices and univariate data analysis	**Unit 2 – Topic 1 – Applications of linear equations and their graphs** Lesson 1 – Simultaneous Equations – Graphical Solutions (old unit 1 topic 3) Lesson 2 – Simultaneous Equations – Substitution Method (old unit 1 topic 3) Lesson 3 – Simultaneous Equations – Elimination Method (old unit 1 topic 3)	**Exercises 7A, 7B, 7C** Exercises as per Learning Guide
7	2 Jun – 6 Jun		Lesson 1 – Simultaneous Equations – Problem Solving (old unit 1 topic 3) Lesson 2 – Piecewise Graphs (old unit 1 topic 3) Lesson 3 – Step Graphs (old unit 1 topic 3)	**Exercises 7D, 7E, 7F** Exercises as per Learning Guide
8	9 Jun – 13 Jun		**Unit 2 – Topic 2 – Applications of Trigonometry** Lesson 1 – Trigonometric Ratios – determining angles and sides Lesson 2 – Applications of Trigonometry (including bearings and angles of elevation and depression) Lesson 3 – Area of a Triangle (Heron's formula and Sine area rule)	**Exercises 8A, 8B, 8C, 8D, 8E, 8F, 8G** Exercises as per Learning Guide
9	16 Jun – 20 Jun		Lesson 1 – Sine Rule Lesson 2 – Cosine Rule Lesson 3 – Trigonometry Problem Solving	**Exercises 8H, 8I, 8J** Exercises as per Learning Guide
10	23 Jun – 27 Jun		Friday 27 June — Athletics carnival / Sports day: Prep – Year 12 **Unit 2 – Topic 3 - Matrices** Lesson 1 – Introduction to Matrices, Types of Matrices Lesson 2 – Addition, Subtraction and Scalar Multiplication of Matrices	**Exercises 9A, 9B, 9C, 9D** Exercises as per Learning Guide

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

Year 11 General Mathematics
Work rate calendar (WRC) 2025   Term 3

All students are expected to participate in all online lessons and complete all assessment as outlined in this **Work rate calendar**.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	14 Jul – 18 Jul	Unit 2: Applications of linear equations and trigonometry, metrices and univariate data analysis	Lesson 1 – Matrix Multiplication Lesson 2 – Matrix Multiplication Practice Lesson 3 – Identity Matrix and Power of a Matrix	**Exercise 9E** Exercises as per Learning Guide
2	21 Jul – 25 Jul		Lesson 1 – Problem Solving with Matrices Lesson 2 – Problem Solving with Matrices Lesson 3 – Problem Solving with Matrices	**Exercises 9F, 9G** Exercises as per Learning Guide
3	28 Jul – 1 Aug		**Unit 2 – Topic 4 – Univariate Data Analysis 1** Lesson 1 – Classifying Data Lesson 2 – Grouping and Displaying Data Lesson 3 – Measures of Centre	**Exercises 10A, 10B, 10C, 10D, 10E, 10F, 10G** Exercises as per Learning Guide
4	4 Aug – 8 Aug		Lesson 1 – Measures of Spread Lesson 2 – Practical Problems **Unit 2 – Topic 5 – Univariate Data Analysis 2** Lesson 3 – Boxplots and Parallel Boxplots	**Exercises 10H, 11A, 11B** Exercises as per Learning Guide
5	11 Aug – 15 Aug		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday Lesson 1 – Outliers Lesson 2 – Comparing Data Lesson 3 – FA2 Revision	**Exercises 11A, 11B** Exercises as per Learning Guide
6	18 Aug – 22 Aug	Unit 2: Applications of linear equations and trigonometry, metrices and univariate data analysis	Lesson 1 – FA2 Revision Lesson 2 – FA2 Revision Lesson 3 – FA2 Revision	**Chapter 12 – Unit 2 Revision Questions**
7	25 Aug – 29 Aug		**FA2 Revision and Completion of FA2** FA2 covers Unit 2 – Topics 1, 2, 3, 4 & 5	**FA2 - EXAM** Exam due to be received by BrisbaneSDE by 5pm Friday 29th August 2025
8	1 Sept – 5 Sept		Friday 5 September — Student free day Lesson 1 – The Problem Solving and Modelling approach – Task Handout Lesson 2 – Formulate	**DA2 – PSMT Checkpoint 1**
9	8 Sept – 12 Sept		Lesson 1 – Solve Lesson 2 – Evaluate Lesson 3 - Communicate	**DA2 – PSMT Checkpoint 2** Checkpoint 2 – Draft – Due to be submitted by 5pm Friday 12th September
10	15 Sept – 19 Sept		**Exams: Year 11** Monday 15 September – Friday 19 September Friday 19 September — Connect day: Years 11–12	**DA2 – PSMT - Final** Assignment due to be received by BrisbaneSDE by Friday 19th September

LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

BrisbaneSDE

Year 11 General Mathematics
Work rate calendar (WRC) 2025 — Term 4

All students are expected to participate in all online lessons and complete all assessment as outlined in this **Work rate calendar**.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	6 Oct – 10 Oct	Unit 3 – Bivariate data and time series analysis, sequences and Earth geometry	Monday 6 October — King's Birthday Holiday Lesson 1 – DA2: Feedback and Reflection (Mark together in class) Lesson 2 – IA1 Handout	**IA1 – PSMT - Handout** Handout Lesson – Thursday 9th October
2	13 Oct – 17 Oct		**Unit 3 – Topic 1 & 2 – Bivariate Data Analysis** Lesson 1 – Types of Data Lesson 2 – Scatterplots Lesson 3 – Least Squares Line of Best Fit	**Exercises TBA** Exercises as per Learning Guide
3	20 Oct – 24 Oct		Lesson 1 – Correlation Coefficient Lesson 2 – Coefficient of Determination Lesson 3 – PSMT Lesson	**Exercises TBA** Exercises as per Learning Guide
4	27 Oct – 31 Oct		Lesson 1 – Residual Plots Lesson 2 – Making Predictions Lesson 3 – Correlation vs Causation	**Exercises TBA** Exercises as per Learning Guide
5	3 Nov – 7 Nov		Lesson 1 – Two Way Tables Lesson 2 – Practical Problems Lesson 3 – PSMT Lesson	**Exercises TBA** Exercises as per Learning Guide **IA1 – PSMT - Draft** Draft PSMT due to be received by BrisbaneSDE by 5pm Friday 7th November
6	10 Nov – 14 Nov	Unit 3 – Bivariate data and time series analysis, sequences and Earth geometry	**Unit 3 – Topic 3 – Time Series Analysis** Lesson 1 – Introduction to Time Series Analysis, Trends Lesson 2 – Smoothing Data (Moving averages) Lesson 3 – PSMT Lesson	**Exercises TBA** Exercises as per Learning Guide
7	17 Nov – 21 Nov		Friday 21 November — Aquatic carnival: Prep – Year 11 Lesson 1 – Seasonal Indices Lesson 2 – Deseasonalising Data Lesson 3 – Practical Problems	**Exercises TBA** Exercises as per Learning Guide **IA1 – PSMT - Final** Final PSMT due to be received by BrisbaneSDE by 5pm Friday 21st November
8	24 Nov – 28 Nov		**Exams: Year 11** Monday 24 November – Friday 28 November Friday 28 November — Final day: Years 10–11	
9	1 Dec – 5 Dec			
10	8 Dec – 12 Dec			

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day