

Year 11 General Mathematics

Work rate calendar (WRC) 2024

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	22 Jan – 26 Jan	Unit 1	Monday 22 January — Welcome calls for students: Prep – Year 12	Pre-Test – Prerequisite knowledge from Year 10 Due: 8am Monday 29 January
			Wednesday 24 January — Learning for success: Prep – Year 12	
			Friday 26 January — Australia Day Holiday	
			Topic 1 Consumer arithmetic (Chapters 1 & 2) Introduction and unit outlines	
2	29 Jan – 2 Feb		Lesson 1 Rates and percentages, wages and salaries	Textbook exercises as per learning guide Quiz 1A, 1B, 1C and 1D
			Lesson 2 Overtime and other allowances	
			Lesson 3 Commission and piecework	
3	5 Feb – 9 Feb		Friday 9 February — Senior orientation day: Years 10–12	Textbook exercises as per learning guide Quizzes 1G, 1E and 2A
			Lesson 1 Budgeting	
			Lesson 2 Comparing using the unit cost method	
		Lesson 3 Percentage increases or decreases, GST		
4	12 Feb – 16 Feb	Lesson 1 Simple interest	Textbook exercises as per learning guide Quizzes 2B, 2C and 2D	
		Lesson 2 Compound interest		
		Lesson 3 Different compounding periods		
5	19 Feb – 23 Feb	Lesson 1 Inflation	Textbook exercises as per learning guide Quizzes 2E, 1F and 2F	
		Lesson 2 Currency exchange rates		
		Lesson 3 Shares and dividends		
6	26 Feb – 1 Mar	Topic 2 Shape and measurement (Chapter 3)	Textbook exercises as per learning guide Quizzes 3A, 3B, 3C, 3D and 3G	
		Lesson 1 Pythagoras' theorem		
		Lesson 2 Perimeter and area		
		Lesson 3 Surface area		
7	4 Mar – 8 Mar	Lesson 1 Volume and capacity	Textbook as per learning guide Quizzes 3E, 3F, 3H, 3I and 3J	
		Lesson 2 Scale factor		
		Lesson 3 Similarity and scale		
8	11 Mar – 15 Mar	Topic 3 Linear equations and their graphs (Chapter 4)	Textbook exercises as per learning guide Quizzes 4A, 4B, 4C, 4D, 4E and 4F	
		Lesson 1 Solving linear equations		
		Lesson 2 Developing a linear equation from a word description		
		Lesson 3 Straight-line graphs, determine the slope and y-intercept		
9	18 Mar – 22 Mar	Exams: Year 11 Monday 18 March – Friday 22 March	DA1 - Diagnostic test Due: 5pm Friday 22 March	
		Diagnostic test – DA1 – Unit 1 Topics 1 and 2.		
10	25 Mar – 29 Mar	Thursday 28 March — Cross country / Fun run: Prep – Year 12	Textbook exercises as per learning guide Quizzes 4G, 4H and 4I	
		Friday 29 March — Good Friday		
		Lesson 1 Interpret slope and y-intercept Lesson 2 Linear modelling		

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Term 2

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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	15 Apr – 19 Apr	Unit 1	Topic 3 Linear equations and their graphs continued (Chapter 4) Lesson 1 Solving simultaneous equations graphically Lesson 2 Solving simultaneous equations by substitution Lesson 3 Solving simultaneous equations by elimination	Textbook exercises as per learning guide Quizzes 4J and 4K
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day Lesson 1 Practical problems with simultaneous equations Lesson 2 Practical situations	Textbook exercises as per learning guide Quizzes 4L
3	29 Apr – 3 May		Lesson 1 Break-even point Lesson 2 Piece-wise linear graphs Lesson 3 Step graphs	Textbook exercises as per learning guide Quiz 4M and 4N
4	6 May – 10 May		Monday 6 May — Labour Day FA1: Revision	Chapter 5 Revision of Unit 1
5	13 May – 17 May		FA1: Revision and completion of FA1 FA1 covers Unit 1 Topics 1, 2 and 3	Chapter 5 Revision of Unit 1 FA1 Exam To be received at BrisbaneSDE by 5pm Friday 17 May
6	20 May – 24 May	Unit 2	Topic 3 Univariate data analysis (Chapter 9) Lesson 1 Classify statistical variables Lesson 2 Graphical data displays Lesson 3 Shape and measures of spread	Textbook exercises as per learning guide Quizzes 9A, 9D and 9E
7	27 May – 31 May		Lesson 1 Measures of centre Lesson 2 Boxplots Lesson 3 Outliers	Textbook exercises as per learning guide Quizzes 9G and 9H
8	3 Jun – 7 Jun		PSMT Walkthrough Lesson 1 Comparing boxplots Lesson 2 Statistical investigation	Textbook exercises as per learning guide Quizzes 9I and 9J DA2 PSMT released Wednesday 5 June
9	10 Jun – 14 Jun		Monday 10 June – Thursday 13 June — School camp: Year 11 Lesson 1 Column charts and histograms Lesson 2 Dot plots and stem and leaf plots	Textbook exercises as per learning guide Quiz 9B, 9C and 9F DA2 PSMT Checkpoint 1 To be submitted to QLearn by Wednesday 12 June
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 Topic 1 Applications of trigonometry (Chapter 6) PSMT lesson Lesson 1 Trigonometric ratios, finding unknown sides / angles Lesson 2 Angles of elevation and depression and true bearings	Textbook exercises as per learning guide Quizzes 6A, 6B, 6C, 6D, 6E and 6F DA2 PSMT Draft To be submitted to QLearn by Wednesday 19 June

Disclaimer: Information contained in this document is correct at time of publishing.

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Term 3

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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	8 Jul – 12 Jul	Unit 2	Topic 1 Applications of trigonometry continued (Chapter 6) PSMT lesson Lesson 1 Area of a triangle Lesson 2 Sine rule	Textbook exercises as per learning guide Quizzes 6G and 6H DA2 PSMT Checkpoint 3 To be submitted to QLearn by Wednesday 10 July
2	15 Jul – 19 Jul		PSMT lesson Lesson 1 Cosine rule Lesson 2 Solving practical problems	Textbook exercises as per learning guide Quizzes 6I and 6J DA2 PSMT Final To be submitted to QLearn by 5pm Wednesday 17 July
3	22 Jul – 26 Jul		Topic 2 Algebra and matrices (Chapters 7 & 8) Lesson 1 Substitution of values into formulas Lesson 2 Construct a table of values Lesson 3 Transposition of equations	Textbook exercises as per learning guide Quizzes 7A, 7B and 7C
4	29 Jul – 2 Aug		Lesson 1 Using matrices to model practical situations Lesson 2 Types of matrices Lesson 3 Identity matrix	Textbook exercises as per learning guide Quizzes 8A and 8B
5	5 Aug – 9 Aug		Lesson 1 Matrix addition and subtraction Lesson 2 Matrix scalar multiplication Lesson 3 Matrix multiplication, power of a matrix	Textbook exercises as per learning guide Quizzes 8C, 8D and 8E
6	12 Aug – 16 Aug		Wednesday 14 August — Royal Queensland (Ekka) Show Holiday Lesson 1 Problem solving Lesson 2 Communication networks	Textbook exercises as per learning guide Quiz 8F and 8G
7	19 Aug – 23 Aug		Lesson 1 Further problem solving Consolidation and review	Textbook exercises as per learning guide Quiz 8H
8	26 Aug – 30 Aug		Friday 30 August — Student free day FA2 Revision	Chapter 10 Revision of Unit 2
9	2 Sep – 6 Sep		FA2 Revision	Chapter 10 Revision of Unit 2
10	9 Sept – 13 Sept		Exams: Year 11 Monday 9 September – Thursday 12 September FA2 covers Unit 2 Topics 1, 2 and 3. Friday 13 September — Connect excursion: Years 10–12	FA2 Exam To be received at BrisbaneSDE by 5pm Wednesday 11 September

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Term 4

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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	30 Sept – 4 Oct	Unit 3	Topic 1: Bivariate data analysis (Chapters 1 & 2) Lesson 1 Define bivariate data, classify variables Lesson 2 Scatterplots Lesson 3 Describe association, outliers	Textbook exercises as per learning guide Quizzes 1A, 1C and 1D
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday Lesson 1 Least-squares line Lesson 2 Interpret y-intercept and slope	Textbook exercises as per learning guide Quizzes 2A and 2B
3	14 Oct – 18 Oct		PSMT Walkthrough Lesson 1 Correlation coefficient Lesson 2 Coefficient of determination	Textbook exercises as per learning guide Quizzes 1E and 1F IA1 PSMT released Wednesday 16 October
4	21 Oct – 25 Oct		PSMT lesson Lesson 1 Residual plot Lesson 2 Make predictions	Textbook exercises as per learning guide Quiz 2B IA1 PSMT Checkpoint 1 To be submitted to QLearn by Wednesday 23 October
5	28 Oct – 1 Nov		PSMT lesson Lesson 1 Interpolation and extrapolation Lesson 2 Solve practical problems	Textbook exercises as per learning guide Quiz 2D IA1 PSMT Draft To be submitted to QLearn by 5pm Wednesday 30 October
6	4 Nov – 8 Nov		PSMT lesson Lesson 1 Consolidation and review Lesson 2 Consolidation and review	Textbook exercises as per learning guide IA1 PSMT Checkpoint 3 To be submitted to QLearn by Wednesday 6 November
7	11 Nov – 15 Nov		Lesson 1 Two-way frequency tables Lesson 2 Association and causation Lesson 3 Non-causal explanations	Textbook exercises as per learning guide Quizzes 1B and 2C IA1 PSMT Final To be submitted to QLearn by 5pm Wednesday 13 November
8	18 Nov – 22 Nov		Exams: Year 11 Monday 18 November – Friday 22 November Friday 22 November — Aquatic carnival: Prep – Year 11 Friday 22 November — Final day: Years 10–11	
9	25 Nov – 29 Nov			
10	3 Dec – 6 Dec			
11	9 Dec – 13 Dec			

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