

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 3	Monday 27 January — Australia Day Holiday Tuesday 28 January – Welcome calls: Years Prep–12 Wednesday 29 January – Learning for success: Years Prep–12 Topic 3 Integrals Lesson 1 Anti-differentiation and review of Unit 3 work covered in Year 11	Refer to Learning Guides
2	3 Feb – 7 Feb		Monday 3 February — Brainstorm Productions: Years 7–12 (11am–2pm) Lesson 1 Integral of e^x and $\frac{1}{x}$ Lesson 2 Integral of $\sin(x)$ and $\cos(x)$ Lesson 3 Catch-up/Tutorial if available	
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 Lesson 1 Indefinite integrals, constant of integration Lesson 2 Indefinite integrals, linear motion applications Lesson 3 Catch-up/Tutorial if available	
4	17 Feb – 21 Feb		Lesson 1 Differentiation review Lesson 2 Integration by recognition Lesson 3 Integration by recognition	
5	24 Feb – 28 Feb		Lesson 1 Area approximation, trapezoidal rule Lesson 2 Fundamental theorem of calculus Lesson 3 Applications of integration — area under a curve	
6	3 Mar – 7 Mar		Lesson 1 Applications of integration — area between curves Lesson 2 Applications of integration — total change (MAM12B only)	
7	10 Mar – 14 Mar		Lesson 1 Applications of integration — total change (MAM12A and 12C only) Lesson 2 Applications of integration — displacement given acceleration and initial conditions Revision	
			Lesson 3 Revision	
8	17 Mar – 21 Mar		Revision and Exam Lessons 1 – 3 Revision	
9	24 Mar – 28 Mar	Unit 4	Revision and Exam Lesson 1 Revision Lesson 2 Revision (MAM12B only) Topic 3 Discrete random variables 2 Lesson 2/3 Bernoulli random variables, mean and variance (L2 for MAM12A and 12C, L3 for MAM12B) Lesson 3 Binomial random variables including conditional probability (MAM12A and 12C only)	IA2 Exam To be received at BrisbaneSDE by 5 pm Wednesday 26 March
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 Lesson 1 Binomial random variables including conditional probability (MAM12B only) Lesson 1/2 Applications of binomial random variables (L1 for MAM12A and 12C, L2 for MAM12B) Lesson 2/3 Binomial distributions – mean and variance (L2 for MAM12A and 12C, L3 for MAM12B) Lesson 3 Catch-up/Tutorial if available (MAM12A and 12C only)	

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Work rate calendar (WRC) 2025

Term 2

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Assessment

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Week	Dates	Unit	Торіс	Class work / Assessment to be submitted
1	21 Apr –		Monday 21 April — Easter Monday	Refer to Learning Guides
	25 Apr		Friday 25 April — Anzac Day	3
			Topic 3 Discrete random variables 2	
			Lesson 1 Modelling binomial distributions	
			Topic 1 Further differentiation and applications 3	
			Lesson 2 Concept of the second derivative and acceleration	
2	28 Apr –		Lesson 1 Concavity, points of inflection	
	2 May		Lessons 2 and 3 Sketching functions, concavity and points of inflection	
3	5 May –		Monday 5 May — Labour Day	
	9 May		Lesson 1 Optimisation — function given	
			Lesson 2 Optimisation – function not given	
			Lesson 3 Catch-up/Tutorial if available	
4	12 May –		Lesson 1 Optimisation – function not given	
	16 May		Topic 4 Continuous random variables and the normal distribution	
			Lesson 2 Probability estimates and the probability density function	
			Lesson 3 Hybrid probability density functions	
5	19 May – 23 May		Lesson 1 E(X) of a continuous random variable, review limits and integration	
	25 May	t 4	by recognition	
		Unit	Lesson 2 Var(X) and SD(X) of a continuous random variable	
	OC May		Lesson 3 Normal random variables, pdf with mean and std deviation	
6	26 May – 30 May		Lesson 1 Standardised normal variables, z scores, pdf with mean and std deviation	
	oo way		Lessons 2 and 3 Normal probabilities, quantiles, modelling	
7	2 Jun –		Topic 2 Trigonometric functions 2	
	6 Jun		Lesson 1 SOHCAHTOA, unit circle, periodicity	
			Lesson 2 Review solving trigonometric functions	
			Lesson 3 Review bearings	
8	9 Jun –		Lesson 1 Sine rule for non-right-angled triangles	
	13 Jun		Lesson 2 Cosine rule for non-right-angled triangles	
			Lesson 3 Area rule for non-right-angled triangle, bearings	
9	16 Jun –		Lessons 1 and 2 Modelling in 2 and 3 dimensional contexts	
	20 Jun		Topic 5 Interval estimates for proportions	
			Lesson 1 Random samples, bias	
10	23 Jun –		Thursday 26 June — Senior formal: Year 12	
	27 Jun		Friday 27 June — Athletics carnival / Sports day: Prep – Year 12	
			Lesson 1 Variability, sample proportion, mean and standard deviation	
			Lesson 2 Catch-up/Tutorial if available	

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Work rate calendar (WRC) 2025

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	Торіс	Class work / Assessment to be submitted
1	14 Jul –		Topic 5 Interval estimates for proportions	
	18 Jul		Lesson 1 Approximate normality of sample proportion, random sampling, interval estimates	
			Lessons 2 and 3 Margin of error, confidence intervals, simulations	
2	21 Jul – 25 Jul	Unit 4	Revision Lessons 1 – 3 Revision	
3	28 Jul – 1 Aug		Lessons 1 – 3 Revision	
4	4 Aug –		Topic 2 Trigonometric functions 2	IA3 Exam
	8 Aug		Lesson 1 Sine rule — the ambiguous case	To be received at
			Topic 4 Continuous random variables and the normal distribution	BrisbaneSDE by 5 pm
			Lesson 2 Cumulative distribution functions	Monday 4 August
5	11 Aug –		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday	
	15 Aug	Units 3&4	Revision	
			Lessons 1 – 3 Revision	
6	18 Aug – 22 Aug		Lessons 1 – 3 Revision	
7	25 Aug – 29 Aug		Lessons 1 – 3 Revision	
8	1 Sept –		Mock exams: Year 12	
	5 Sept		Monday 1 September – Thursday 4 September	
			Friday 5 September — Student free day	
9	8 Sept –		Mock exams: Year 12	
	12 Sept		Monday 8 September – Friday 12 September	
10	15 Sept –		Friday 19 September — Connect day: Years 11–12	
	19 Sept		Lessons 1 – 3 Revision	



Work rate calendar (WRC) 2025

Term 4

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Assessment	
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Week	Dates	Unit	Торіс	Class work / Assessment to be submitted
1	6 Oct –		Monday 6 October — King's Birthday Holiday	
	10 Oct		Revision	
			Lessons 1 – 3 Revision	
2	13 Oct – 17 Oct		Lessons 1 – 3 Revision	
3	20 Oct – 24 Oct		Lessons 1 – 3 Revision	
4	27 Oct -		Exams: Year 12	
	31 Oct		Monday 27 October – Friday 31 October	
5	3 Nov –		Exams: Year 12	
	7 Nov		Monday 3 November – Friday 7 November	
6	10 Nov –	3&4	Exams: Year 12	
	14 Nov	Units 3&4	Monday 10 November – Friday 14 November	
7	17 Nov –	_	Exams: Year 12	
	21 Nov		Monday 17 November – Tuesday 18 November	
			Wednesday 19 November — Celebration: Year 12	
			Thursday 20 November — Graduation: Year 12	
			Friday 21 November — Final day: Year 12 Friday 21 November — Aquatic carnival: Prep – Year 11	
8	24 Nov –		Filiday 21 November — Aqualic Camival. Frep – Fear 11	
	28 Nov			
9	1 Dec –			
9	5 Dec			
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10	8 Dec – 12 Dec			
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