

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		Monday 22 January — Welcome calls for students: Prep – Year 12 Wednesday 24 January — Learning for success: Prep – Year 12 Friday 26 January — Australia Day Holiday Topic 3 Complex numbers Lesson 1 Revision of complex numbers	
2	29 Jan – 2 Feb		Lesson 1 Prove and use identities involving modulus and argument Lesson 2 Using De Moivre's Theorem to prove trig identities Lesson 3 Equations of subsets on the complex plane — lines and circles.	
3	5 Feb – 9 Feb		Friday 9 February — Senior orientation day: Years 10–12 Lessons 1 Roots of complex numbers Lessons 2 & 3 Factor and remainder theorems applied to complex numbers	
4	12 Feb – 16 Feb	Unit 3	Lesson 1 Conjugate root theorem Lessons 2 & 3 Solving complex polynomial equations	
5	19 Feb – 23 Feb		Revision Lessons 1, 2 & 3 Catch up and/or revision	
6	26 Feb – 1 Mar		Lessons 1, 2 & 3 revision	
7	4 Mar – 8 Mar		Lessons 1, 2 & 3 revision	
8	11 Mar – 15 Mar		Revision and exam Lessons 1, 2 & 3 revision and exam	IA2 Exam To be received at BrisbaneSDE by 5 pm Friday 15 March
9	18 Mar – 22 Mar		Topic 1 Integration Lessons 1 & 2 Integration by substitution Lesson 3 Integration using trig identities	
10	25 Mar – 29 Mar	Unit 4	Thursday 28 March — Cross country / Fun run: Prep – Year 12 Friday 29 March — Good Friday Lesson 1 Inverse trig functions arcsine, arccosine, arctangent Lesson 2 The derivative of the inverse trig functions Lesson 3 Catch-up/Tutorial	

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Work rate calendar (WRC) 2024

Term 2

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Assessment

Summative exams are to be supervised by the student's official exam supervisor. Supervised assessment

Non-supervised assessment Students must sign declaration of academic integrity.

Week	Dates	Unit	Торіс	Class work / Assessment to be submitted
1	15 Apr – 19 Apr		Lesson 1 The integral of $\frac{\pm 1}{\sqrt{a^2-x^2}}$ and $\frac{a}{\sqrt{a^2+x^2}}$ Lesson 2 Integration by parts	
			Lesson 3 Integration by partial fractions	
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day	
	20 Apr		Lesson 1 Simpson's rule Lesson 2 Area between curves	
			Lesson 3 Catch up	
3	29 Apr –		Lesson 1 Volumes of solids of revolution	
	3 May		Lesson 2 The probability density function	
			Lesson 3 Catch-up	
4	6 May – 10 May		Monday 6 May — Labour Day Topic 2 Rates of change	
	To May		Lesson 1 Implicit differentiation	
			Lesson 2 Related rates of change	
			Lesson 3 First order differential equations	
5	13 May –	t 4	Lessons 1 & 2 First order differential equations	
	17 May	Unit 4	Lesson 3 Slope fields of first order differential equations.	
6	20 May – 24 May		Lessons 1, 2 & 3 Applications of differential equations	
7	27 May – 31 May		Lessons 1, 2 & 3 Momentum and resultant forces	
8	3 Jun –		Lesson 1 Simple harmonic motion	
	7 Jun		Lessons 2 & 3 Non-uniform motion and differential equations	
9	10 Jun –		Monday 10 June – Thursday 13 June — School camp: Year 11	
	14 Jun		Topic 3 Statistical inference Lessons 1, 2 & 3 Sample means, simulations and approximation of the normal	
			distribution	
10	17 Jun –		Thursday 20 June — Senior formal: Year 12	
	21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12	
			Lessons 1 Sample statistics Lesson 2 Confidence intervals using the sample mean	
			Lesson 3 Simulations.	
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Work rate calendar (WRC) 2024

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		Lessons 1 – 3 Catch up lessons	
2	15 Jul – 19 Jul	4	IA3 Revision Lessons 1 – 3 Revision	
3	22 Jul – 26 Jul	Unit 4	Lessons 1 – 3 Revision	
4	29 Jul – 2 Aug		Lessons 1 – 3 Revision and exam	IA3 Exam To be received at BrisbaneSDE by 5 pm Friday 2 August
5	5 Aug – 9 Aug		External exam preparations Lessons 1 – 3 external exam preparations.	
6	12 Aug – 16 Aug	ion	Wednesday 14 August — Royal Queensland (Ekka) Show Holiday Lessons 1 – 3 external exam preparations.	
7	19 Aug – 23 Aug	reparat	Lessons 1 – 3 external exam preparations.	
8	26 Aug – 30 Aug	External exam preparation	Mock exams: Year 12 Monday 26 August – Thursday 29 August Friday 30 August — Student free day	
9	2 Sept – 6 Sept	ũ	Mock exams: Year 12 Monday 2 September – Friday 6 September	
10	9 Sept – 13 Sept		Friday 13 September — Connect excursion: Years 10–12 External exam preparations Lessons 1 – 3 external exam preparations.	

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Work rate calendar (WRC) 2024

Term 4

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Assessment

Summative exams are to be supervised by the student's official exam supervisor. Supervised assessment

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		External exam preparations Lessons 1 – 3 external exam preparations.	
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday Lessons 1 – 3 external exam preparations.	
3	14 Oct – 18 Oct	uo	Lessons 1 – 3 external exam preparations.	
4	21 Oct – 25 Oct	preparation	Exams: Year 12 Monday 21 October – Friday 25 October	
5	28 Oct – 1 Nov	External exam	Exams: Year 12 Monday 28 October – Friday 1 November	
6	4 Nov – 8 Nov	Exter	Exams: Year 12 Monday 4 November – Friday 8 November	
7	11 Nov – 15 Nov		Exams: Year 12 Monday 11 November – Wednesday 13 November Thursday 14 November — Graduation: Year 12 Friday 15 November — Final day: Year 12	
8	18 Nov – 22 Nov			
9	25 Nov – 29 Nov			
10	2 Dec – 6 Dec			
11	9 Dec – 13 Dec			

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