Year 12 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		Monday 27 January — Australia Day Holiday Tuesday 28 January – Welcome calls: Years Prep–12 Wednesday 29 January – Learning for success: Years Prep–12 **Topic 2: Time series analysis (Chapter 3)** Lesson 1 Construct and describe time series plots	**Textbook exercises as per learning guide** Quizzes 3A and 3B
2	3 Feb – 7 Feb		Monday 3 February — Brainstorm Productions: Years 7–12 (11am–2pm) Lesson 1 Smooth time series data Lesson 2 Calculate seasonal indices Lesson 3 Deseasonalise time series data	**Textbook exercises as per learning guide** Quizzes 3C and 3D
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 Lesson 1 Fit a least-squares line to time series data Lesson 2 Solve practical problems	**Textbook exercises as per learning guide** Quiz 3E
4	17 Feb – 21 Feb	Unit 3	**Topic 3: Growth and decay in sequences (Chapter 4)** Lesson 1 Recursion and terms of an arithmetic sequence Lesson 2 Use the rule for the nth term $t_n = a + (n-1)\,d$ Lesson 3 Model and analyse practical situations	**Textbook exercises as per learning guide** Quizzes 4A, 4B, 4C and 4D
5	24 Feb – 28 Feb		Lesson 1 Recursion and terms of a geometric sequence Lesson 2 Use the rule for the nth term $t_n = a\,r^{(n-1)}$ Lesson 3 Model and analyse practical situations	**Textbook exercises as per learning guide** Quizzes 4E, 4F and 4G
6	3 Mar – 7 Mar		**Topic 4: Earth geometry and time zones (Chapter 5)** Lesson 1 Introduction Lesson 2 Distance along a meridian and a parallel of latitude Lesson 3 GMT, IDL and UTC. Link between longitude and time	**Textbook exercises as per learning guide** Quiz 5B
7	10 Mar – 14 Mar		Lesson 1 Time zones and time differences (GMT, IDL, UTC) Lesson 2 Time zones and related travel East and West Lesson 3 Aboriginal language groups and Indigenous seasonal time	**Textbook exercises as per learning guide** Quiz 5C
8	17 Mar – 21 Mar		**IA2 Revision**	**Chapter 6** **Revision of Unit 3** Chapters 1 to 5
9	24 Mar – 28 Mar		**IA2 covers Unit 3 Topics 1, 2, 3 and 4.**	**IA2 Exam – Unit 3 Topics 1, 2, 3 and 4** To be received at BrisbaneSDE by 5pm Friday 28 March
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 **Unit 4 Topic 1: Loans, investments and annuities (Chapters 7, 8 and 9)** Lesson 1 Recurrence relation to model compound interest loan or investment Lesson 2 Compound interest loans and investments	**Textbook exercises as per learning guide** Quizzes 7A, 7B and 7C

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

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Year 12 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 4	Monday 21 April — Easter Monday Friday 25 April — Anzac Day **Unit 4 Topic 1: Loans, investments and annuities (Chapters 7, 8 and 9)** Lesson 1 Effective interest rate Lesson 2 Solve problems involving compound interest	**Textbook exercises as per learning guide** Quizzes 7D and 7E
2	28 Apr – 2 May		Lesson 1 Recurrence relation to model a reducing balance loan Lesson 2 Repayment schedules for a reducing balance loan Lesson 3 Solve problems involving reducing balance loans	**Textbook exercises as per learning guide** Quizzes 8A and 8B
3	5 May – 9 May		Monday 5 May — Labour Day Lesson 1 Recurrence relation to model an annuity Lesson 2 Repayment schedules to model an annuity	**Textbook exercises as per learning guide** Quizzes 9A and 9B
4	12 May – 16 May		Lesson 1 Solve problems involving annuities formulae Lesson 2 Perpetuities Lesson 3 Consolidate Finance – Which formula do I use?	**Textbook exercises as per learning guide** Quiz 9D
5	19 May – 23 May		**Topic 2: Graphs and networks (Chapter 10)** Lesson 1 Definitions of terms related to graphs and networks Lesson 2 Adjacency matrix. Communications and connections Lesson 3 Apply Euler's formula: $v + f - e = 2$	**Textbook exercises as per learning guide** Quizzes 10A, 10B and 10C
6	26 May – 30 May		Lesson 1 The language of exploring graphs Lesson 2 Definitions of terms related to Eulerian graphs Lesson 3 Hamiltonian and semi-Hamiltonian graphs	**Textbook exercises as per learning guide** Quizzes 10D,10E and 10F
7	2 Jun – 6 Jun		Lesson 1 Consolidate Explorer graphs and applications Lesson 2 Shortest path in a weighted graph Lesson 3 Definition of terms related to trees and spanning trees	**Textbook exercises as per learning guide** Quizzes 10G and 11A
8	9 Jun – 13 Jun		**Topic 3: Networks and decision mathematics (Chapters 11 and 12)** Lesson 1 Minimum spanning trees in a weighted graph Lesson 2 Solve minimal connector problems Lesson 3 Bipartite graph to represent assignment/allocation problems	**Textbook exercises as per learning guide** Quiz 11B
9	16 Jun – 20 Jun		Lesson 1 & 2 Hungarian algorithms to determine optimum assignments Lesson 3 Maximum-flow minimum cut problems	**Textbook exercises as per learning guide** Quiz 11C
10	23 Jun – 27 Jun		Thursday 26 June — Senior formal: Year 12 Friday 27 June — Athletics carnival / Sports day: Prep – Year 12 Lesson 1 Precedence tables and activity networks Lesson 2 Critical paths using ESTs and LSTs	**Textbook exercises as per learning guide** Quizzes 12A and 12B

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

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Year 12 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 4	**Topic 3: Networks and decision mathematics (Chapters 11 and 12)** Lesson 1 Minimum completion time and Float times Lesson 2 & 3 Consolidate Networks and decision mathematics	**Textbook exercises as per learning guide** Quiz 12C
2	21 Jul – 25 Jul		**IA3 Revision**	**Textbook Chapter 13 Revision of Unit 4** Chapters 7 to 12
3	28 Jul – 1 Aug		**IA3 covers Unit 4 Topics 1, 2 and 3.**	**IA3 Exam – Unit 4 Topics 1, 2 and 3** To be received at BrisbaneSDE by 5pm Friday 1 August
4	4 Aug – 8 Aug		**Structured Revision Program**	As per Revision Program
5	11 Aug – 15 Aug		Wednesday 13 August —Royal Queensland (Ekka) Show Holiday **Structured Revision Program**	As per Revision Program
6	18 Aug – 22 Aug	Units 1, 2, 3 & 4	**Structured Revision Program**	As per Revision Program
7	25 Aug – 29 Aug		**Structured Revision Program**	As per Revision Program
8	1 Sept – 5 Sept		**Mock exams: Year 12** Monday 1 September – Thursday 4 September Friday 5 September — Student free day	
9	8 Sept – 12 Sept		**Mock exams: Year 12** Monday 8 September – Friday 12 September	
10	15 Sept – 19 Sept		Friday 19 September — Connect day: Years 11–12 **Structured Revision Program**	As per Revision Program

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

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Year 12 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		Monday 6 October — King's Birthday Holiday **Structured Revision Program**	As per Revision Program
2	13 Oct – 17 Oct		**Structured Revision Program**	As per Revision Program
3	20 Oct – 24 Oct		**Structured Revision Program**	As per Revision Program
4	27 Oct – 31 Oct	Units 1, 2, 3 & 4	**Exams: Year 12** Monday 27 October – Friday 31 October	
5	3 Nov – 7 Nov		**Exams: Year 12** Monday 3 November – Friday 7 November	
6	10 Nov – 14 Nov		**Exams: Year 12** Monday 10 November – Friday 14 November	
7	17 Nov – 21 Nov		**Exams: Year 12** 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	
8	24 Nov – 28 Nov			
9	1 Dec – 5 Dec			
10	8 Dec – 12 Dec			

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