

# Year 10 Mathematics - Standard

## 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	Monday 27 January — Australia Day Holiday	
			Tuesday 28 January – Welcome calls: Years Prep–12	
			Wednesday 29 January – Learning for success: Years Prep–12	
			Introductions, expectations and accessing subject materials	
2	3 Feb – 7 Feb		Monday 3 February — Brainstorm Productions: Years 7–12 (11am–2pm)	<b>PAT-M Test</b>
			<b>Topic 1: Measurement</b> 6.3 Compound Surface Area (2 lessons) PAT-M Test	As per Learning Guide
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12	<b>Pre-test (prerequisite knowledge from Year 9)</b>
			6.4 Compound volume (2 lessons) Pre-test (prerequisite knowledge from Year 9)	As per Learning Guide
4	17 Feb – 21 Feb		2.5 & 2.6 Solve equations (Measurement applications with distributive property)	As per Learning Guide
5	24 Feb – 28 Feb		<b>Topic 2: Geometry</b> 10.4 Scale diagrams (2 lessons) Scale factor – dimensions in images (applications)	As per Learning Guide
6	3 Mar – 7 Mar	Scale factor – dimensions in images (applications) Scale factor – area Scale factor – volume	As per Learning Guide	
7	10 Mar – 14 Mar	10.3 Applications of scale factor and similar triangles	As per Learning Guide	
8	17 Mar – 21 Mar	Revision	<b>SA1 Exam:</b> To be submitted by 5.00pm Friday March 21	
9	24 Mar – 28 Mar	<b>Topic 3: Applications of trigonometry and Pythagoras</b> 5.4, 5.5 & 5.6 Review trigonometry (calculate unknown sides and angles)	As per Learning Guide	
10	31 Mar – 4 Apr	Thursday 3 April — Cross country / Fun run: Prep – Year 12	As per Learning Guide	
		5.7 Angles of elevation and depression (trigonometry and Pythagoras) SA1 Review		

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### Term 2

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Assessment				
<b>Supervised assessment</b>		Summative exams are to be supervised by the student's official exam supervisor.		
<b>Non-supervised assessment</b>		Students must sign declaration of academic integrity.		
Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	21 Apr – 25 Apr	Unit 1	Monday 21 April — Easter Monday	As per Learning Guide
			Friday 25 April — Anzac Day	
5.8 Direction (trigonometry and Pythagoras)				
2	28 Apr – 2 May		<b>Topic 4: Networks</b>	As per Learning Guide
			3.2 Introduction to networks & their graphs Construct graphs of networks	
3	5 May – 9 May		Monday 5 May — Labour Day	As per Learning Guide
			Interpret graphs of networks	
4	12 May – 16 May		<b>Topic 5: Linear relationships</b>	As per Learning Guide
			Translate between worded and graphical representations Translate between worded and general equation of a line (algebraic model) 4.2, 4.3 Translate between algebraic model and graphical representation	
5	19 May – 23 May		4.3.3 Applications of linear relationships (construct & use a model)	As per Learning Guide
6	26 May – 30 May	Revision	As per Learning Guide	
7	2 Jun – 6 Jun	Revision	<b>SA2 Exam:</b> To be submitted by 5.00pm Friday June 6	
8	9 Jun – 13 Jun	Unit 2	<b>Topic 6: Exponential relationships</b>	As per Learning Guide
			9.3 Introduction to exponential relationships (Calculate end value) Formula – Calculate start value Formula – Calculate growth/decay rate (%)	
9	16 Jun – 20 Jun		Construct and use a model (exponential growth & decay) SA2 Review	As per Learning Guide
			Friday 27 June — Athletics carnival / Sports day: Prep – Year 12	
10	23 Jun – 27 Jun		Excel & Desmos – Solve problems (exponential growth & decay)	As per Learning Guide

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### Term 3

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Assessment				
<b>Supervised assessment</b>		Summative exams are to be supervised by the student's official exam supervisor.		
<b>Non-supervised assessment</b>		Students must sign declaration of academic integrity.		
Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	14 Jul – 18 Jul	Unit 2	<b>Topic 6: Exponential relationships</b> Formative task – Model an exponential relationship	As per Learning Guide
2	21 Jul – 25 Jul		SA3 Overview SA3 Formulate the model SA3 Create the Excel Model	As per Learning Guide
3	28 Jul – 1 Aug		Wednesday 30 July — SET plan meetings: Year 10 SA3 Evaluate the model and solution SA3 Communication	<b>SA3 Checkpoint:</b> To be submitted by 5.00pm Monday July 28
4	4 Aug – 8 Aug		<b>Topic 7: Statistics</b> Statistics in the Media – False reporting Statistics in the media – Bias in reporting Identify variables to choose relevant statistical tools	<b>SA3 Draft:</b> To be submitted by 5.00pm Monday August 4
5	11 Aug – 15 Aug		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday Two-way tables (Bivariate categorical variables)	<b>SA3 Final:</b> To be submitted by 5.00pm Monday August 11
6	18 Aug – 22 Aug		Scatterplots (Bivariate numerical variables) Time-series graphs (Bivariate numerical variables)	As per Learning Guide
7	25 Aug – 29 Aug		SA3 Review Conduct a statistical investigation	As per Learning Guide
8	1 Sept – 5 Sept		Friday 5 September — Student free day 12.4 5-number summary and IQR 12.4 Construct box plots	As per Learning Guide
9	8 Sept – 12 Sept		12.4 & 12.6 Discuss distributions of parallel box plots 12.4.3 Discuss distributions of alternate data displays	As per Learning Guide
10	15 Sept – 19 Sept		Wednesday 17 September — Connect day: Years 9–10 Revision activities for statistics topic	As per Learning Guide

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## Work rate calendar (WRC) 2025

**Term 4**

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

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	6 Oct – 10 Oct	Unit 2	Monday 6 October — King's Birthday Holiday <b>Topic 8: Simultaneous linear equations and inequalities</b> 4.4 Graphical method	As per Learning Guide
2	13 Oct – 17 Oct		4.5 Substitution method (2 lessons) 4.6 Elimination method	As per Learning Guide
3	20 Oct – 24 Oct		Monday 20 October – Wednesday 22 October – School camp: Years 9-10 4.6 Elimination method 4.7 Applications of simultaneous equations	As per Learning Guide
4	27 Oct – 31 Oct		4.9 Linear inequalities	As per Learning Guide
5	3 Nov – 7 Nov		Revision	As per Learning Guide
6	10 Nov – 14 Nov		Revision	<b>SA4 Exam:</b> To be submitted by 5.00pm Friday November 14
7	17 Nov – 21 Nov		Friday 21 November — Aquatic carnival: Prep – Year 11 <b>Topic 9: Probability</b> Applications of probability	As per Learning Guide
8	24 Nov – 28 Nov		Friday 28 November — Final day: Years 10–11 Applications of probability	As per Learning Guide
9	1 Dec – 5 Dec			
10	8 Dec – 12 Dec			