

Year 9 Maths

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: Measurement and Indices & Scientific Notation	Monday 22 January — Welcome calls for students: Prep – Year 12	PAT-M Testing Getting to Know You
			Wednesday 24 January — Learning for success: Prep – Year 12	
			Friday 26 January — Australia Day Holiday	
			Introductions – Expectations and Getting Organised	
2	29 Jan – 2 Feb		Topic 1: Measurement	As per Learning Guide
			Introduction to Year 9 Maths	
			9.3.1 – Area of shapes	
			9.3.3 – Area of composite shapes	
3	5 Feb – 9 Feb		Friday 9 February — Senior orientation day: Years 10–12	As per Learning Guide
			9.3.3 – Area of composite shapes	
		9.5 – Surface area of rectangular and triangular prisms		
		9.6 – Surface area of a cylinder		
4	12 Feb – 16 Feb	9.7 – Volumes of prisms and Cylinders	As per Learning Guide	
		9.7 – Volume Applications		
5	19 Feb – 23 Feb	Topic 2: Indices and Scientific Notation	As per Learning Guide	
		1.4 – Review of Index Laws – First Index law		
		1.4 – Review of Index Laws – Second Index Law		
		1.4 – Review of Index Laws - Third Index Law		
6	26 Feb – 1 Mar	1.5 – Raising powers – Fourth, Fifth and Sixth Index Law	As per Learning Guide	
		1.6 – Negative indices – Seventh Index Law		
		Consolidate Index Laws		
7	4 Mar – 8 Mar	1.7 – Scientific Notation	As per Learning Guide	
8	11 Mar – 15 Mar	Revision	SA1 Exam Due: 5.00pm Friday 15/03/24	
9	18 Mar – 22 Mar	Monday 18 March – Wednesday 20 March — School camp: Years 7–8	As per Learning Guide	
		Review of Proportion		
		Fractions and Decimals		
10	25 Mar – 29 Mar	Thursday 28 March — Cross country / Fun run: Prep – Year 12	As per Learning Guide	
		Friday 29 March — Good Friday		
		Fractions and Decimals		

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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.		
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Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	15 Apr – 19 Apr	Unit 2: Similarity, Pythagoras, Trigonometry and Finance Maths	Topic 3: Similarity 4.2.1 – Ratios 4.2.2 – Scale Factors	As per Learning Guide
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day 4.5.1 – Similarity Conditions (AAA) 4.5.1 – Similarity Conditions (SSS, SAS) 4.5.1 – Similarity Conditions (RHS)	As per Learning Guide
3	29 Apr – 3 May		4.6.1 – Converting between units of length, area and volume 4.6.2 – Area and volume of similar figures	As per Learning Guide
4	6 May – 10 May		Monday 6 May — Labour Day Topic 4: Pythagoras and Trigonometry 5.2.1 – Introduction to Pythagoras' Theorem 5.2.2 – Calculating unknown sides	As per Learning Guide
5	13 May – 17 May		5.2.3 – Application of Pythagoras' theorem 5.4 – Trigonometric Ratios	As per Learning Guide
6	20 May – 24 May		5.5 – Trigonometry - Calculating unknown side lengths 5.6 – Trigonometry - Calculating unknown angles 5.6 – Application of Trigonometric Ratios	As per Learning Guide
7	27 May – 31 May		Revision and Exam	SA2 Exam Due: 5.00pm Friday 31/05/24
8	3 Jun – 7 Jun		Topic 5: Financial Mathematics Introduction to Financial Language 8.4 – Simple Interest Revision	As per Learning Guide
9	10 Jun – 14 Jun		Formative Assessment SA2 Review 2.0 Introduction to Algebra	Formative Assessment Due: 5.00pm Monday 17/06/24
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 2.2 Using Pronumerals	As per Learning Guide

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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 3: Algebra and Linear Relationships	Topic 6: Algebra 2.2 – Using Pronumerals Recap 2.3 – Algebra in Word problems 2.4 – Simplification of Algebraic Expressions	As per Learning Guide
2	15 Jul – 19 Jul		2.5 – The Distributive Law 2.5 – Expanding Brackets & Collecting Like Terms 2.5 – Expanding Binomials	As per Learning Guide
3	22 Jul – 26 Jul		2.8 – Highest Common Factor - Factorising	As per Learning Guide
4	29 Jul – 2 Aug		Topic 7: Linear Relationships 6.8 – Midpoint of a Line Segment 6.8 – Distance between Two Points	As per Learning Guide
5	5 Aug – 9 Aug		Revision	SA3 Exam Due: 5.00pm Friday 9/08/24
6	12 Aug – 16 Aug		Wednesday 14 August — Royal Queensland (Ekka) Show Holiday 6.4 – Equation of a Straight Line 7.4 – Rates as the Gradient of a Line 6.7 + 7.6 – Practical Application of Constant and Variable Rates	As per Learning Guide
7	19 Aug – 23 Aug		SA4 – Introduction and Formulating 6.5 + 6.6 – Sketching Linear Graphs with and without Technology (Desmos Skill Building) SA4 – Solving a PSMT	SA4 PSMT Released: Monday 19/08/24
8	26 Aug – 30 Aug		Friday 30 August — Student free day SA4 – Evaluating a Solution SA4 – Concluding and Communicating	SA4 PSMT Draft Due: 5.00pm Wednesday 28/08/24
9	2 Sept – 6 Sept		SA4 – Applying Draft Feedback SA4 – Finalising	SA4 PSMT Final Due: 5.00pm Friday 6/09/24
10	9 Sept – 13 Sept		Wednesday 11 September — Connect excursion: Years 7–9 Friday 13 September — Connect excursion: Years 10–12 Introduction to Statistics and Collection of Data	As per Learning Guide

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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 4: Statistics and Chance, Introduction to Year 10	Topic 8: Statistics 11.2 – Sampling 11.3 – Collecting Data – Frequency Tables and Dot Plots 11.2 – Investigating Reports in Digital Media	As per Learning Guide
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday 11.4 – Single and Back-to-Back Stem and Leaf Plots 11.4.2 + 11.6.2 – Histograms + Types of Distribution	As per Learning Guide
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 11.5 – Measures of Centre – Mean, Median and Mode	As per Learning Guide
4	21 Oct – 25 Oct		Topic 9: Probability 10.2 – Theoretical probability 10.3 – Experimental probability 10.4 – Venn Diagrams	As per Learning Guide
5	28 Oct – 1 Nov		10.4 – Two-Way Tables 10.5 – Two-step Experiments (Arrays)	As per Learning Guide
6	4 Nov – 8 Nov		10.5.3 – Two-step Experiments (Tree Diagrams) 10.5.4 – Two-step Experiments Without Replacement	As per Learning Guide
7	11 Nov – 15 Nov		Revision	SA5 Exam Due: 5.00pm Friday 15/11/24
8	18 Nov – 22 Nov		Friday 22 November — Aquatic carnival: Prep – Year 11 Topic 10: Introduction to Year 10 Get to know your Excel	As per Learning Guide
9	25 Nov – 29 Nov		SA5 review GeoGebra	As per Learning Guide
10	3 Dec – 6 Dec		Measurement Review Volume and Surface Area Investigating Volume	As per Learning Guide
11	9 Dec – 13 Dec		Wednesday 11 December — Connect day: Years 7–9 Investigating Surface Area	As per Learning Guide