

# Year 10 Mathematics Foundations

## 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					
<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	22 Jan – 6 Jan	Unit 1 Review	Monday 22 January — Welcome calls for students: Prep – Year 12	<b>PAT-M Testing</b>	
			Wednesday 24 January — Learning for success: Prep – Year 12		
			Friday 26 January — Australia Day Holiday		
			<b>Topic 1: Fundamental Skills Building</b>		
			Number operations		
2	29 Jan – 2 Feb		2.2 Order of operations Approximating, rounding, estimating Decimals, fractions and percentages	As per Learning Guide	
3	5 Feb – 9 Feb		Friday 9 February — Senior orientation day: Years 10–12	<b>PAT-M Test</b> To be submitted by 5:00 pm Friday 9 February	
			Simplifying Fractions PAT-M catch-up		
4	12 Feb – 6 Feb	Unit 2 Measurement	<b>Topic 2: Measurement</b>	As per Learning Guide	
			6.2 Area		
			6.2 Composite shapes		
			6.4 Volume of cylinders		
5	19 Feb – 23 Feb		6.4 Volume of prisms		As per Learning Guide
			6.4 Volume of composite solids Capacity		
6	26 Feb – 1 Mar		SA1 – Introduction to PSMT SA1 - Formulate a plan SA1 – Class time		<b>SA1 - Project released:</b> Monday 26 February
7	4 Mar – 8 Mar		SA1 – Solve the problem SA1 – Class time SA1 – Evaluate the solution		<b>SA1 – Project Draft:</b> To be submitted by 5.00pm Wednesday 6 March
8	11 Mar – 15 Mar		SA1 – Feedback on Drafts SA1 – Report writing SA1 - Class time		<b>SA1 Project Final:</b> To be submitted by 5.00pm Friday 15 March
9	18 Mar – 22 Mar		6.3 Surface area of cylinders 6.3 Surface area of prisms 6.3 Surface area of composite solids		
10	25 Mar – 29 Mar	Thursday 28 March — Cross country / Fun run: Prep – Year 12		As per Learning Guide	
		Friday 29 March — Good Friday Length and perimeter Mass			

Disclaimer: Information contained in this document is correct at time of publishing.

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## Work rate calendar (WRC) 2024

## Term 2

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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	15 Apr – 19 Apr	Unit 2 Linear Equations	<b>Topic 3: Linear relationships</b> 2.2 Substitution 2.5 Solve simple linear equations 2.6 Solve multi step linear equations	As per Learning Guide
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day 3.2 Graphical representations 3.3 Graphical representations of linear equations	As per Learning Guide
3	29 Apr – 3 May		4.1 Simultaneous equations 4.2 Solving simultaneous equations graphically	As per Learning Guide
4	6 May – 10 May	Unit 2 Probability	Monday 6 May — Labour Day <b>Topic 4: Probability</b> 11.2 Sample space 11.2 Arrays	As per Learning Guide
5	13 May – 17 May		11.3 Experimental probability of two step experiments 11.3 Experimental probability of three step experiments	As per Learning Guide
6	20 May – 24 May		11.3 Tree diagrams of two step experiments 11.3 Tree diagrams of three step experiments	As per Learning Guide
7	27 May – 31 May		Revision	As per Learning Guide
8	3 Jun – 7 Jun	Revision	<b>SA2 - Exam:</b> To be submitted by 5.00pm Friday 7 June	
9	10 Jun – 14 Jun	Unit 3 Geometric Reasoning	<b>Topic 5: Geometric Reasoning</b> 10.2 Proofs involving angles and triangles	As per Learning Guide
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 10.3 Logical reasoning using congruence and similarity	As per Learning Guide

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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	Unit 4 Statistics	<b>Topic 6: Statistics</b> 12.2 Median and range 12.3 Quartiles 12.3 Five number summary and IQR	As per Learning Guide
2	15 Jul – 19 Jul		12.4 Box plots 12.6 Dot plots and histograms 12.6 Comparing data sets	As per Learning Guide
3	22 Jul – 26 Jul		Wednesday 24 July – Friday 26 July — SET plan meetings: Year 10 13.2 Scatterplots SA4 – Overview SA4 – Formulate a plan	<b>SA3 - Project Released:</b> Tuesday 23 July
4	29 Jul – 2 Aug		13.5 Time Series SA4 – Solve the problem 13.5 Time Series	As per Learning Guide
5	5 Aug – 9 Aug		SA4 – Evaluate the Solution 12.8 Reporting statistics SA4 Class Time	<b>SA3 - Project Draft:</b> To be submitted by 5.00pm Friday 9 August
6	12 Aug – 16 Aug		Wednesday 14 August — Royal Queensland (Ekka) Show Holiday 12.8 Reporting statistics SA4 Draft Feedback	As per Learning Guide
7	19 Aug – 23 Aug		SA4 – Class time SA4 - Report writing SA4 – Class time	<b>SA3 - Project Final:</b> To be submitted by 5.00pm Friday 23 August
8	26 Aug – 30 Aug		Friday 30 August — Student free day <b>Topic 7: Financial Maths</b> 1.9 Simple interest 1.9 Simple interest with different time periods and rates	As per Learning Guide
9	2 Sept – 6 Sept	Unit 4 Financial Maths	1.9 Compound interest 1.9 Compound interest with different time periods and rates	As per Learning Guide
10	9 Sept – 13 Sept		Friday 13 September — Connect excursion: Years 10–12 1.9 Financial contexts	As per Learning Guide

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## Work rate calendar (WRC) 2024

### 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	30 Sept – 4 Oct	Unit 4 Pythagoras and Trigonometry	<b>Topic 8: Trigonometry</b> 5.2 Pythagoras' theorem 5.4 Trigonometric ratios 5.5 Trigonometry sides	As per Learning Guide
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday 5.5 Trigonometry sides 5.6 Trigonometry angles	As per Learning Guide
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 5.6 Trigonometry angles	As per Learning Guide
4	21 Oct – 25 Oct		5.7 Angles of elevation and depression 5.8 Directions and bearings	As per Learning Guide
5	28 Oct – 1 Nov		Revision	As per Learning Guide
6	4 Nov – 8 Nov		Revision	<b>SA4 - Exam:</b> To be submitted by 5.00pm Friday 8 November
7	11 Nov – 15 Nov	Unit 5 Preparation	<b>Topic 9: Preparation for Senior Essential Mathematics</b> Time Rates and Ratio Graphs	As per Learning Guide
8	18 Nov – 22 Nov		Friday 22 November — Aquatic carnival: Prep – Year 11 Friday 22 November — Final day: Years 10–11 Use of technology and calculators Expectations of Senior Essential Mathematics	As per Learning Guide
9	25 Nov – 29 Nov			
10	3 Dec – 6 Dec			
11	9 Dec – 13 Dec			