BrisbaneSDE

Year 9 Maths Intensive
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 Introductions – Expectations and Getting Organised	**PAT-M Testing** Getting to Know You
2	29 Jan – 2 Feb		**Topic 1: Measurement** Introduction to Year 9 Maths Area of shapes Area of composite shapes	
3	5 Feb – 9 Feb	Unit 1: Measurement and Indices & Scientific Notation	Friday 9 February — Senior orientation day: Years 10–12 Area of composite shapes Surface area of rectangular and triangular prisms Surface area of a cylinder	
4	12 Feb – 16 Feb		Volumes of prisms and Cylinders Volume Applications	
5	19 Feb – 23 Feb		**Topic 2: Indices and Scientific Notation / Numbers** Review of Index Laws – First Index law Review of Index Laws – Second Index Law Review of Index Laws - Third Index Law	
6	26 Feb – 1 Mar		Raising powers – Fourth, Fifth and Sixth Index Law Negative indices – Seventh Index Law Consolidate Index Laws	
7	4 Mar – 8 Mar		Scientific Notation	
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 Review of Proportion Fractions and Decimals	
10	25 Mar – 29 Mar		Thursday 28 March — Cross country / Fun run: Prep – Year 12 Friday 29 March — Good Friday	

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

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

Year 9 Maths Intensive
Work rate calendar (WRC) 2024   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	15 Apr – 19 Apr	Unit 2: Similarity, Pythagoras, Trigonometry and Finance Maths	**Topic 3: Similarity / Geometric Reasoning** Ratios Scale Factors Converting between units of length, area and volume	
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day Area and volume of similar figures	
3	29 Apr – 3 May		Similarity Conditions (AAA) Similarity Conditions (SSS, SAS) Similarity Conditions (RHS)	
4	6 May – 10 May		Monday 6 May — Labour Day **Topic 4: Pythagoras and Trigonometry / Angles** Trigonometric Ratios Trigonometry - Calculating unknown side lengths	
5	13 May – 17 May		Trigonometry - Calculating unknown angles Introduction to Pythagoras' Theorem Calculating unknown sides	
6	20 May – 24 May		Application of Pythagoras' theorem Trigonometry Application Consolidation	
7	27 May – 31 May		Revision	**SA2 Exam Due:** 5.00pm Friday 31/05/24
8	3 Jun – 7 Jun		**Topic 5: Financial Mathematics** Introduction to Financial Language Simple Interest Revision	
9	10 Jun – 14 Jun		Formative Assessment Number Sense	**Formative Assessment** Due: 5.00pm Monday 17/06/24
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 Number Sense Using Pronumerals	

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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 9 Maths Intensive
Work rate calendar (WRC) 2024   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	8 Jul – 12 Jul		**Topic 6: Patterns and Algebra** Using Pronumerals Algebra in Word problems Simplification of Algebraic Expressions	
2	15 Jul – 19 Jul		The Distributive Law Expanding Brackets & Collecting Like Terms Expanding Binomials	
3	22 Jul – 26 Jul		Highest Common Factor - Factorising	
4	29 Jul – 2 Aug	Unit 3: Algebra and Linear Relationships	**Topic 7: Linear Relationships** Midpoint of a Line Segment Distance between Two Points	
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 Equation of a Straight Line Rates as the Gradient of a Line Practical Application of Constant and Variable Rates	
7	19 Aug – 23 Aug		SA5 – Introduction and Formulating Sketching Linear Graphs with and without Technology (Desmos Skill Building) SA5 – Solving a PSMT	**SA4 PSMT Released:** Monday 19/08/24
8	26 Aug – 30 Aug		Friday 30 August — Student free day SA5 – Evaluating a Solution SA5 – Concluding and Communicating	**SA4 PSMT Draft Due:** 5.00pm Wednesday 28/08/24
9	2 Sept – 6 Sept		SA5 – Applying Draft Feedback SA5 – 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	

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

Year 9 Maths Intensive
Work rate calendar (WRC) 2024 — 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	30 Sept – 4 Oct	Unit 4: Statistics and Chance, Introduction to Year 10	**Topic 8: Statistics** Sampling Collecting Data – Frequency Tables and Dot Plots Investigating Reports in Digital Media	
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday Single and Back-to-Back Stem and Leaf Plots Histograms + Types of Distribution	
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 Measures of Centre – Mean, Median and Mode	
4	21 Oct – 25 Oct		**Topic 9: Probability** Theoretical probability Experimental probability Venn Diagrams	
5	28 Oct – 1 Nov		Two-Way Tables Two-step Experiments (Arrays)	
6	4 Nov – 8 Nov		Two-step Experiments (Tree Diagrams) Two-step Experiments Without Replacement	
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	
9	25 Nov – 29 Nov		GeoGebra	
10	3 Dec – 6 Dec		Measurement Review Volume and Surface Area Investigating Volume	
11	9 Dec – 13 Dec		Wednesday 11 December — Connect day: Years 7–9 Investigating Surface Area	

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