

Year 9 Design and Technologies

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: Design Thinking, Sketching for Design and Prototyping	Monday 27 January — Australia Day Holiday	Quiz: Design Thinking Sketching Construction – Activity 1
			Tuesday 28 January – Welcome calls: Years Prep–12	
			Wednesday 29 January – Learning for success: Years Prep–12	
			Orientation and Introduction to Unit 1 Introduction to Design Thinking	
2	3 Feb – 7 Feb		Sketching for Design Introduction to Sketching – Techniques	Sketching Construction – Activity 2
			Monday 3 February — Brainstorm Productions: Years 7–12 (11am-2pm)	
3	10 Feb – 14 Feb		Sketching for Design Basic Shapes Combining Basic Shapes to create Complex Shapes	Sketching Construction – Activity 3, 4
			Sketching for Design Crating and Rounding Orthographic and Sectional Drawings	
4	17 Feb – 21 Feb		SA1 Assessment Handed Out	TinkerCAD Activity 5, 6, 7 Working in TinkerCAD & Folio
			Prototyping Introduction to Computer Aided Design TinkerCAD Lessons – Starters Investigating - Stakeholder Identification, Problem Definition	
5	24 Feb – 28 Feb	Prototyping Generating – ideation Communicating your design Iterating a prototype	Working in TinkerCAD & Folio	
		Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher		
6	3 Mar – 7 Mar	SA1 Checkpoint 1 – Due Friday 7 March Working in TinkerCAD & Folio	Working in TinkerCAD & Folio	
		Wednesday 12 March – Friday 14 March — NAPLAN: Years 7 and 9		
7	10 Mar – 14 Mar	Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
		Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher		
8	17 Mar – 21 Mar	SA1 Draft – Due Tuesday 18 March Working in TinkerCAD & Folio	Working in TinkerCAD & Folio	
		Prototyping Changes to Folio from draft feedback Evaluation and Recommendations		
9	24 Mar – 28 Mar	Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
		Prototyping Changes to Folio from draft feedback Evaluation and Recommendations		
10	31 Mar – 4 Apr	Thursday 3 April — Cross country / Fun run: Prep – Year 12	SA1 Final Due 5pm Friday 4 April	
		Prototyping Evaluation and Recommendations		

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

Year 9 Design and Technologies

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 2: Technologies and Society – Transitional Emergency Housing	Monday 21 April — Easter Monday	Add progress into folio
			Friday 25 April — Anzac Day	
Introduction to Unit 2				
SA3 Assessment Handed Out				
Understanding of design situation				
Prior learning				
Design Process, Needs and Opportunities, Communicating for Design, Criteria for Success, Project Management				
2	28 Apr – 2 May		Part A: Problem identification, investigation and project management	Add progress into folio
			Investigate geographical region and existing designs in groups	
Factors impacting designed solutions				
Preferred futures, emerging technologies and design factors				
3	5 May – 9 May	Monday 5 May — Labour Day	Add progress into folio	
		Part A: Problem identification, investigation and project management		
Combining materials and technologies				
Factors impacting designed solutions				
Preferred futures, emerging technologies and design factors				
4	12 May – 16 May	Part B: Defining	SA3 Checkpoint 1	
		Define the problem, criteria for success	Due Friday 16 May Add progress into folio	
5	19 May – 23 May	Complete SA2 Quiz in class	SA2 Quiz	
		Preferred futures, emerging technologies and design factors	Short response quiz Completed in class Add progress into folio	
Part C: Generating ideas and evaluating				
Generation of design ideas, evaluate ideas, group feedback on ideas				
6	26 May – 30 May	Part C: Generating design solution	SA3 Draft	
		Generate sketches of final design solution	- Due Tuesday 27 May Add progress into folio	
7	2 Jun – 6 Jun	Part D: Producing final prototype	Add progress into folio	
		Changes to folio from draft feedback Producing low-fi prototype		
8	9 Jun – 13 Jun	Part D: Producing and reflecting	SA3 Final	
		Producing low-fi prototype Reflection of design process	Due 5pm Friday 13 June	
9	16 Jun – 20 Jun	Design extension		
		Investigate other CAD solutions		
10	23 Jun – 27 Jun	Friday 27 June — Athletics carnival / Sports day: Prep – Year 12		
		Design extension		
		Investigate other CAD solutions		

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 Design and Technologies

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 1: Design Thinking, Sketching for Design and Prototyping	Orientation and Introduction to Unit 1 Introduction to Design Thinking Sketching for Design Introduction to Sketching – Techniques	Quiz: Design Thinking Sketching Construction – Activity 1
2	21 Jul – 25 Jul		Sketching for Design Basic Shapes Combining Basic Shapes to create Complex Shapes	Sketching Construction – Activity 2
3	28 Jul – 1 Aug		Sketching for Design Crating and Rounding Orthographic and Sectional Drawings SA1 Assessment Handed Out	Sketching Construction – Activity 3, 4
4	4 Aug – 8 Aug		Prototyping Introduction to Computer Aided Design TinkerCAD Lessons – Starters Investigating - Stakeholder Identification, Problem Definition	TinkerCAD Activity 5, 6, 7 Working in TinkerCAD & Folio
5	11 Aug – 15 Aug		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday Prototyping Generating – ideation Communicating your design Iterating a prototype	Working in TinkerCAD & Folio
6	18 Aug – 22 Aug		Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher	SA1 Checkpoint 1 – Due Friday 22 August Working in TinkerCAD & Folio
7	25 Aug – 29 Aug		Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio
8	1 Sept – 5 Sept		Friday 5 September — Student free day Prototyping Producing - Working in TinkerCAD – Send STL to your Teacher	SA1 Draft – Due Tuesday 2 September Working in TinkerCAD & Folio
9	8 Sept – 12 Sept		Prototyping Changes to Folio from draft feedback Evaluation and Recommendations	Working in TinkerCAD & Folio
10	15 Sept – 19 Sept		Wednesday 17 September — Connect day: Years 9–10 Prototyping Evaluation and Recommendations	SA1 Final Due 5pm Friday 19 September

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

Year 9 Design and Technologies

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	Unit 2: Technologies and Society – Transitional Emergency Housing	Monday 6 October — King's Birthday Holiday	Add progress into folio	
			Introduction to Unit 2		
			SA3 Assessment Handed Out		
			Understanding of design situation		
			Prior learning		
			Design Process, Needs and Opportunities, Communicating for Design, Criteria for Success, Project Management		
			Part A: Problem identification, investigation and project management		Add progress into folio
			Investigate geographical region and existing designs in groups		
			Factors impacting designed solutions		Add progress into folio
			Preferred futures, emerging technologies and design factors		
3	20 Oct – 24 Oct	Unit 2: Technologies and Society – Transitional Emergency Housing	Monday 20 October – Wednesday 22 October — School camp: Years 9-10	Add progress into folio	
			Part A: Problem identification, investigation and project management		
			Combining materials and technologies		
4	27 Oct – 31 Oct	Unit 2: Technologies and Society – Transitional Emergency Housing	Factors impacting designed solutions	Add progress into folio	
			Preferred futures, emerging technologies and design factors		
5	3 Nov – 7 Nov	Unit 2: Technologies and Society – Transitional Emergency Housing	Part B: Defining	SA3 Checkpoint 1 Due Friday 31 October Add progress into folio	
			Define the problem, criteria for success		
6	10 Nov – 14 Nov	Unit 2: Technologies and Society – Transitional Emergency Housing	Complete SA2 Quiz in class	SA2 Quiz Short response quiz Completed in class Add progress into folio	
			Preferred futures, emerging technologies and design factors		
7	17 Nov – 21 Nov	Unit 2: Technologies and Society – Transitional Emergency Housing	Part C: Generating ideas and evaluating	SA3 Draft - Due Tuesday 11 November Add progress into folio	
			Generation of design ideas, evaluate ideas, group feedback on ideas		
8	24 Nov – 28 Nov	Unit 2: Technologies and Society – Transitional Emergency Housing	Part C: Generating design solution	SA3 Final Due 5pm Friday 28 November	
			Generate sketches of final design solution		
9	1 Dec – 5 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Friday 21 November — Aquatic carnival: Prep – Year 11	Add progress into folio	
			Part D: Producing final prototype		
10	8 Dec – 12 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Changes to folio from draft feedback	Add progress into folio	
			Producing low-fi prototype		
8	24 Nov – 28 Nov	Unit 2: Technologies and Society – Transitional Emergency Housing	Part D: Producing and reflecting	SA3 Final Due 5pm Friday 28 November	
			Producing low-fi prototype		
9	1 Dec – 5 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Reflection of design process	Add progress into folio	
			Investigate other CAD solutions		
10	8 Dec – 12 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Friday 5 December — STEM Connect day: Years 5–9	Add progress into folio	
			Design extension		
10	8 Dec – 12 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Investigate other CAD solutions	Add progress into folio	
			Design extension		
10	8 Dec – 12 Dec	Unit 2: Technologies and Society – Transitional Emergency Housing	Investigate other CAD solutions	Add progress into folio	
			Design extension		

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