

Year 9 Design and Technologies

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: Design Thinking, Sketching for Design and Prototyping	Monday 22 January — Welcome calls for students: Prep – Year 12	Sketching Construction – Exercises 1, & 2	
			Wednesday 24 January — Learning for success: Prep – Year 12		
			Friday 26 January — Australia Day Holiday		
			Orientation and Introduction to Design Thinking		
			Introduction to Design Thinking, course and housekeeping		
			Sketching for Design		
			Introduction to Sketching - Techniques		
2	29 Jan – 2 Feb			Sketching for Design	Sketching Construction – Exercises 3, 4, 5 & 6
				Basic Shapes; Combining Basic Shapes to create Complex Shapes	
				Feedback and Sketching	
3	5 Feb – 9 Feb		Sketching for Design	Sketching Methods – Crating & Rounding	
			Crating and Rounding		
			Prototyping and Computer Aided Design		
			What is Prototyping & Introduction to Computer Aided Design	Stakeholder Identification, Problem Definition and Ideation	
			SA1 Assessment Handed Out		
4	12 Feb – 16 Feb		Sketching for Design	Sketching Methods – Orthographic, Floor Plans and Sectional Drawings	
			Orthographic, Floor Plans and Sectional Drawings		
			Prototyping		
			Introduction to TinkerCAD	Concept Sketches	
			TinkerCAD Lessons - Starters	Learning TinkerCAD - Starters	
5	19 Feb – 23 Feb		Prototyping	Working in TinkerCAD & Folio	
			Working in TinkerCAD – Send STL to your Teacher		
6	26 Feb – 1 Mar		Prototyping	SA1 Checkpoint 1 – Due 1 March	
			Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
7	4 Mar – 8 Mar		Prototyping	Working in TinkerCAD & Folio	
			Working in TinkerCAD – Send STL to your Teacher		
8	11 Mar – 15 Mar		Prototyping	SA1 Draft – Due Tuesday 12 March	
			Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
9	18 Mar – 22 Mar		Prototyping	Working in TinkerCAD & Folio	
			Changes to Folio from draft feedback		
			Evaluation and Recommendations		
10	25 Mar – 29 Mar		Thursday 28 March — Cross country / Fun run: Prep – Year 12	SA1 Final	
			Friday 29 March — Good Friday	Due 5pm Thursday 28 March	
			Prototyping		
			Applying Feedback		
			Make Recommendations		

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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.		
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: Technologies and Society – Transitional Emergency Housing	Introduction to Emergency Housing Introduction to Unit, Design Thinking and House Keeping	Folders set up for the Unit
			Prior Learning Criteria for Success, Needs and Opportunities and Communicating for Design	
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day	Designers and Emerging Technologies research into folio
			Investigate Designers & Emerging Technologies What Designers do, Preferred Futures & Emerging Technologies	
			SA2 Assessment Handed Out	
3	29 Apr – 3 May		Analyse a Complex Problem, Combining Materials Reverse Engineering, Creating Designed Solutions & Project Planning Combining Materials and Technologies, & Criteria for success	SA2 Checkpoint 1 – Due 3 May Research findings into folio
4	6 May – 10 May		Monday 6 May — Labour Day	Research findings into folio
			Generate Ideas Idea Generation, Project Planning Guided Student work	
5	13 May – 17 May		Generate Generation of Design Solution Guided Student Work	Project Work – progress into folio
6	20 May – 24 May		Generate Generation of Design Solution Guided Student Work	SA2 Draft – Due Tuesday 21 May Project Work – progress into folio
7	27 May – 31 May	Evaluate and Recommend Generation of Design Solution Guided Student Work Changes to Folio from draft feedback	Project Work – progress into folio	
8	3 Jun – 7 Jun	Design Extension Investigate other CAD solutions	SA2 Final Due 5pm Tuesday 4 June	
9	10 Jun – 14 Jun	Design Extension Investigate other CAD solutions		
10	17 Jun – 21 Jun	Friday 21 June — Athletics carnival / Sports day: Prep – Year 12		
		Design Extension Investigate other CAD solutions		

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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 1: Design Thinking, Sketching for Design and Prototyping	Orientation and Introduction to Design Thinking Introduction to Design Thinking, course and housekeeping	Sketching Construction – Exercises 1, & 2
			Sketching for Design Introduction to Sketching - Techniques	
2	15 Jul – 19 Jul		Sketching for Design Basic Shapes; Combining Basic Shapes to create Complex Shapes Feedback and Sketching	Sketching Construction – Exercises 3, 4, 5 & 6
3	22 Jul – 26 Jul		Sketching for Design Crating and Rounding	Sketching Methods – Crating & Rounding
			Prototyping and Computer Aided Design What is Prototyping & Introduction to Computer Aided Design	Stakeholder Identification, Problem Definition and Ideation
			SA1 Assessment Handed Out	
4	29 Jul – 2 Aug		Sketching for Design Orthographic, Floor Plans and Sectional Drawings	Sketching Methods – Orthographic, Floor Plans and Sectional Drawings
			Prototyping Introduction to TinkerCAD TinkerCAD Lessons - Starters	Concept Sketches Learning TinkerCAD - Starters
5	5 Aug – 9 Aug		Prototyping Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio
6	12 Aug – 16 Aug		Wednesday 14 August — Royal Queensland (Ekka) Show Holiday	SA1 Checkpoint 1 – Due 16 August
		Prototyping Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
7	19 Aug – 23 Aug	Prototyping Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
8	26 Aug – 30 Aug	Friday 30 August — Student free day	SA1 Draft – Due Tuesday 27 August	
		Prototyping Working in TinkerCAD – Send STL to your Teacher	Working in TinkerCAD & Folio	
9	2 Sept – 6 Sept	Prototyping Changes to Folio from draft feedback Evaluation and Recommendations	Working in TinkerCAD & Folio	
10	9 Sept – 13 Sept	Wednesday 11 September — Connect excursion: Years 7–9	SA1 Final	
		Prototyping Applying Feedback Make Recommendations	Due 5pm Friday 13 September	

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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 2: Technologies and Society – Transitional Emergency Housing	Introduction to Emergency Housing Introduction to Unit, Design Thinking and House Keeping	Folders set up for the Unit
			Prior Learning Criteria for Success, Needs and Opportunities and Communicating for Design	
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday Investigate Designers & Emerging Technologies What Designers do, Preferred Futures & Emerging Technologies	Designers and Emerging Technologies research into folio
			SA2 Assessment Handed Out	
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 Analyse a Complex Problem, Combining Materials Reverse Engineering, Creating Designed Solutions & Project Planning Combining Materials and Technologies, & Criteria for success	Research findings into folio
4	21 Oct – 25 Oct		Generate Ideas Idea Generation, Project Planning Guided Student work	SA2 Checkpoint 1 – Due 22 October Research findings into folio
5	28 Oct – 1 Nov		Generate Generation of Design Solution Guided Student Work	Project Work – progress into folio
6	4 Nov – 8 Nov		Generate Generation of Design Solution Guided Student Work	SA2 Draft – Due Tuesday 5 November Project Work – progress into folio
7	11 Nov – 15 Nov		Generate Generation of Design Solution Guided Student Work Changes to Folio from draft feedback	Project Work – progress into folio
8	18 Nov – 22 Nov	Friday 22 November — Aquatic carnival: Prep – Year 11 Evaluate and Recommend Generation of Design Solution Guided Student Work	SA2 Final Due 5pm Friday 22 November	
9	25 Nov – 29 Nov	Design Extension Investigate other CAD solutions		
10	2 Dec – 6 Dec	Design Extension Investigate other CAD solutions		
11	9 Dec – 13 Dec	Wednesday 11 December — Connect day: Years 7–9 Design Extension Investigate other CAD solutions		

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