


# Australian Curriculum: Design and Technologies — Years 3-4

## Band plan-2025

CURRICULUM		YEAR 3				YEAR 4			
		Semester 1		Semester 2		Semester 1		Semester 2	
		Term 1	Term 2	Term 3	Term 4	Term 1	Term 2	Term 3	Term 4
Unit name		Repurpose it!				Pinball Paradise			
Unit description		<p>In this unit, students investigate fibre production used in modern and traditional societies. They explore how people develop fibre technologies to meet human needs.</p> <p>They investigate the suitability of materials, systems, components, tools and equipment for specific purposes.</p> <p>They repurpose a clothing item (fibre) with other recycled materials to create a useful item.</p>				<p>In this unit, students investigate how forces and the properties of materials affect the behaviour of a product or system. They make a pinball machine and design a games environment for its use.</p> <p>They explore the role of people in engineering, technology occupations and how they address factors that meet client's needs.</p>			
ASSESSMENT		Year 3				Year 4			
		Semester 1		Semester 2		Semester 1		Semester 2	
			Repurpose it!-AT1			Games environment-AT1 Part A	Pinball machine-AT1 Part B		
Range and balance of summative assessment conventions	Technique		Project			Project	Project		
	Type of Text		3D Model			Design Brief	3D Model		
	Mode		Multimodal			Multimodal	Multimodal		
	Conditions		<ul style="list-style-type: none"> <li>4-6 lessons</li> </ul>			Individual completed over multiple sessions	Individual completed over multiple sessions		

Aspects of the achievement standard								
explain how <b>products</b> *, services and <b>environments</b> * are designed to best meet needs of communities and their environments		✓			✓*	✓*		
describe contributions of people in design and technologies occupations					✓			
describe how the features of technologies can be used to produce designed solutions for each of the prescribed technologies contexts		✓			✓	✓		
create designed solutions for each of the prescribed technologies contexts		✓			✓	✓		
explain needs or opportunities and evaluate ideas and designed solutions against identified criteria for success, including environmental sustainability considerations		✓						
develop and expand design ideas and communicate these using models and drawings including annotations and symbols		✓			✓	✓		
plan and sequence major steps in design and production		✓				✓		
identify appropriate technologies and techniques and demonstrate safe work practices when producing designed solutions		✓				✓		
Term 1	Term 2	Term 3	Term 4	 indicates opportunities that summative assessments provide for students to demonstrate evidence against aspects of the achievement standard				