Australian Curriculum: Design and Technologies — Years 5-6 Band plan-2025

CURRICULUM		YEAR 5				YEAR 6			
		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		Harvesting Good Health				Hands-off!			
Unit description		**Food specialisations and Food and fibre production** In this unit, students will explore how competing factors and technologies influence the design of a sustainable service. This service provides a plant for the preparation of a healthy food product.				**Engineering principles and systems** In this unit, students will investigate how forces or electrical energy can control movement, sound or light in a designed product or system. They will produce a prototype electrical security device to protect a personal item or area. They will explore the role of people in engineering technologies occupations in developing solutions for current and future use. Students will apply processes and production skills.			

ASSESSMENT		YEAR 5		YEAR 6	
		Semester 1	Semester 2	Semester 1	Semester 2
		Harvesting good health-AT1		Security system-AT1	Term 3 / Term 4
Range and balance of summative assessment conventions	Technique	Project		Project	
	Type of Text	3D Model/ Portfolio		3D Model/ Portfolio	
	Mode	Multimodal		Multimodal	
	Conditions	Part A • Completed individually in class time • 2 sessions • Supervised		• Independent	

		Part B/C • Completed individually in class time • Supervised • Students to provide own materials			

Aspects of the achievement standard					
describe competing considerations in the design of products, services and environments, taking into account sustainability	✔			✔	
describe how design and technologies contribute to meeting present and future needs	✔			✔	
explain how the features of technologies impact on designed solutions for each of the prescribed technologies contexts	✔			✔	
create designed solutions for each of the prescribed technologies contexts suitable for identified needs or opportunities.	✔			✔	
suggest criteria for success, including sustainability considerations, and use these to evaluate their ideas and designed solutions	✔			✔	
combine design ideas and communicate these to audiences using graphical representation techniques and technical terms	✔			✔	
record project plans including production processes	✔			✔	
select and use appropriate technologies and techniques correctly and safely to produce 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