

Australian Curriculum: Design and Technologies — Year 8

CURRICULUM	YEAR 8		
	TERM 1 FOOD SPECIALISATIONS	TERM 2 FOOD & FIBRE PRODUCTION	TERM 3 DESIGN TECHNOLOGIES
	Unit 1	Unit 2	Unit 3
Unit name	PERFECTING THE PIZZA	ORIGINS OF FOOD, EMERGING AGRICULTURAL PRODUCTS	DESIGN SPECIALISATION
Unit description	In this unit students gain a knowledge & understanding of safety, hygiene (personal, kitchen & food), equipment, terminology, stove use, measuring, healthy food choices, Australian Guide to Healthy Eating, Food & Nutrition. This will include researching information about healthy pizza choices and observing teacher demonstrations. They will also be investigating, designing, producing, reflecting and evaluating recipes for good health.	In this unit students will investigate the origins of food within an Agricultural context- they will specifically explore the importance of Environment (specifically) Climate on production zones. Students will explore the impact of population growth on agricultural production futures. Students will investigate alternative food production methods for sustainable food production in Australia. Students will investigate an emerging industry-poultry which has grown significantly in the last 5-10 years.	In this unit students explore design through a graphic design focus using sustainability and preferred futures, identifying problems around the school and exploring design thinking by creating design solutions to the identified problem. To achieve this, students will research and ideate using drawing and low-fidelity prototyping skills to create design solutions in a design folio.

ASSESSMENT		YEAR 8		
		TERM	TERM	TERM
		Summative assessment task 1	Summative assessment task 2	Summative assessment task 3
Range and balance of summative assessment conventions	Technique	PROJECT	Examination	Project
	Type of text	Design Brief	Short and Extended Response	Design Brief
	Mode	WRITTEN AND PRACTICAL TASK	WRITTEN	Written and practical
	Conditions	2 WEEKS CLASS AND OWN TIME	10 weeks IN CLASS AND OWN TIME	200-300 words written or equivalent 4-6 pages or slides of graphical representations
Aspects of the achievement standard				
Students explain factors that influence the design of products, services and environments to meet present and future needs.				
Explain the contribution of design and technology innovations and enterprise to society				
Explain how the features of technologies impact on designed solutions and influence design decisions for each of the prescribed technologies contexts.				
Create designed solutions for each of the prescribed technologies contexts based on an evaluation of needs or opportunities				
Develop criteria for success, including sustainability considerations, and use these to judge the suitability of their ideas and designed solutions and processes				
Create and adapt design ideas, make considered decisions and communicate to different audiences using appropriate technical terms and a range of technologies and graphical representation techniques				
communicate and document projects, including Apply project management skills to document and use project plans to manage production processes				
Independently and safely produce effective designed solutions for the intended purpose				

