

Albany Creek SHS Curriculum Unit Planner Year 9 Textiles and Food Studies

YEAR LEVEL	9	SUBJECT	TEXTILES and FOOD STUDIES	UNIT NAME	Food Equity and	Waste	
Unit Context Overview	as well as globally	and how this is i	bly is a global issue. Students examine foo nfluenced by factors such as transport, in tudents plan and prepare safe and nutriti	frastructure, politica	al environment	Unit Length	1 Term Approx. 10 weeks
Achievement Standard	By the end of Year 9, students explain how people working in design and technologies occupations consider factors that impact on design decisions and the technologies used to produce products, services and environments. They identify the changes necessary to designed solutions to realise preferred futures they have described. When producing designed solutions for identified needs or opportunities, students evaluate the features of technologies and their appropriateness for purpose for one or more of the technologies contexts.						
	Students create designed solutions for one or more of the technologies contexts based on a critical evaluation of needs or opportunities. They establish detailed criteria for success, including sustainability considerations, and use these to evaluate their ideas and designed solutions and processes. They create and connect design ideas and processes of increasing complexity and justify decisions. Students communicate and document projects, including marketing for a range of audiences. They independently and collaboratively apply sequenced production and management plans when producing designed solutions, making adjustments to plans when necessary. They select and use appropriate technologies skilfully and safely to produce high-quality designed solutions suitable for the intended purpose.						

AUST. CURRICULUM DESCRIPTORS (with code) (cognitive verb in bold)	STANDARD ELABORATIONS
KNOWLEDGE AND INDERSTANDING	
ACTDEK040 - Critically Analyse factors, including social, ethical and sustainability considerations, that impact on designed solutions for global preferred futures and the complex design and production processes involved.	- Critiquing mass production systems taking into account ethics and sustainability considerations, for example the mass production of food, clothing and shoes and why manufacturers produce different versions of the same product.
ACTDEK041 - Explain how products, services and environments evolve with consideration of preferred futures and the impact of emerging technologies on design decisions.	Constructing scenarios of how the future may unfold (forecasting) and what impacts there may be for society and particular groups, and back casting from preferred futures.
	Recognising real-world problems and understanding basic needs when considering designed solutions.

ACTDEK044 - Investigate and make judgements on the ethical and sustainable production and marketing of food and fibre.	- Examining emerging production technologies and methods in terms of productivity, profitability and sustainability.	
	- Comparing the environment impacts of intensive and extensive production systems and their contribution to food and fibres production	
ACTDEK045 - Investigate and make judgements on how the principles of food safety, preservation, preparation, presentation and sensory perceptions influence the creation of food solutions for healthy eating.	Preparing and presenting foods using a range of techniques to ensure optimum nutrient content, flavour, texture and visual appeal	
PROCESSES AND PRODUCTION SKILLS		
ACTDEP050 - Work flexibly to effectively and safely test, select, justify and use appropriate technologies and processes to make designed solutions.	- Refining technical skills and using production skills with independence to produce quality designed solutions and to reduce risks in production	
	- Modifying production processes to respond to unforeseen challenges or opportunities, for example when producing bulk quantities of recipes, lower than average rainfall and impacts on growth, materials with unexpected faults	

	GENERAL CAPABILITIES					
Literacy	Numeracy	ICT Capability	Critical and Creative Thinking	Other (P&S, Eth, Int-Cult)		
- TEEAL paragraph - 3 Tier vocabulary	Measuring Proportional reasoning	Investigate with ICT: - Locate, generate and access data – level 5 (locate, retrieve or generate information using search facilities and organise in a meaningful way).	- Think board / Design Process	Personal & Social Capability: Self-management – working towards level 6 (critically analyse self-discipline strategies and personal goals and consider their application in social and work related contexts) Work independently and show initiative – working towards level 6 (Establish personal priorities, manage resources effectively and demonstrate initiative to achieve personal goals and learning outcomes. Become confident, resilient and adaptable – working towards level 6 (evaluate, rethink and refine approaches to tasks to take into account of difficult situations and safety considerations)		

CROSS-CURRICULAR PRIORITIES				
ATSI Histories and Cultures - Food Security	Asia and Australia's Engagement with Asia	Sustainability - Recycling and repurposing of resources Sustainable practices in the classrooms		

LINKS TO PREVIOUS KNOWLEDGE

This program is intended to be **developed** as a 'Year 9 & 10 Stage' following from Years 7 & 8. However at ACSHS students have a choice to complete an Applied Technology area within their junior years of schooling. Subsequently, planning must happen to incorporate students that may not have undertaken or given education of in this area. Subsequently isolated units had been written to ensure all outcomes are covered.

ASSESSMENT INSTRUMENTS					
Summative Assessment	ummative Assessment, Feedback and Tracking (DQ1)				
Written Examination	Items	Focus for Proficiency Scale			
Practical Cookery Lessons – (suggestion) Simulation activity Packet cake without instructions. Fried rice Meat Bolognese Design Task 1 pg 69 Pad see ew Chicken raffle Protein ball Family dinner	 Proficiency Scale Learning Goal Tracking Sheet Specifically-designed Formative Pieces design a uni-student low income meal 'Chook Raffle' 'Rice grain'. Checklists Summaries (in preparation for written examination) Observations Questioning Verbal feedback Using student work as an exemplar 	- Similarities and differences between local and Global Food Equity.			

	KEY UNIT LEARNING GOALS AND SUCCESS CRITERIA					
	KEY LEARNING GOALS	SUCCESS CRITERIA				
Students will understand:		Students will be able to:				
1	Students will understand the functions of food nutrients and provide food examples for Protein, Fats, Minerals, Vitamins, Water, and Carbohydrates.	 I can identify the five food groups I can identify the six food nutrients and food sources of the nutrients I can identify the function of food nutrients in the body 				
2	Students will understand food insecurity and be able to identify and explain factors that contribute to food inequity.	 I can explain the term food equity. I can identify and explain reasons for food inequity. I can identify the groups of people at risk of food equity and explain why. 				

3	Students will understand why food inequity is an issue in Australia.	 I can identify groups affected by food inequity in Australia. I can explain why food inequity affects certain groups in Australia.
4	Students will be able to evaluate a recipe to determine its suitability to cook during a pandemic.	 I can identify strengths and limitations of a recipe. I can justify a recipe suitability by referring to ingredients and nutritional information.
5	Students will be able to provide solutions to food waste.	 I can explain what food waste is and why it is an issue in Australia. I can identify various solutions to food waste. I can justify my solutions by referring to reasons for my choices.

VOCABULARY LIST				
TIER TWO	TIER THREE	COGNITIVE VERBS		
Food equity, ethical, sustainability, food inequity, developing nations, globalisation, malnutrition, refugee	Inequality, 'inequity of food', export, finite, staple food	analyse, evaluate, explain, examine, identify		

SCHOOL PRIORITIES					
 TEE(A)L THIEVES 3 Level Guide - Proportional Reasoning - Thinkboard - Infographic 'data' sheets=6 - Marzano 	Critical Thinking Skills Iodel Errors in Reasoning Organisers Faxonomy Grid (based on d concept) - Practice exam/Revision questions - Pages				

UNIT RESOURCES		
Texts, Websites, Handouts, etc.	Supporting documents	Location

Teacher text: 'Food Tech Focus'. 2nd ed. Blake et al. Nelson Publishers. 'HiTech - Food Technology' Sullivan, Meredith, Weihan. Heinemann Publilshers Websites: Edmodo Taste.com.au Clickview	 Proficiency Scale Learning Goal Tracking Sheet Assessment Task/Criteria Sheets Feedback Checklists 	G:Coredata: Curriculum
https://education.abc.net.au/home#I/digibook/2597026/war-on-waste Handouts/activities: various – see resource file Recipes/Practical lesson: 1. Fried Rice 2. Meat Bolognese 3. Pad see ew 4. Chook raffle	Differentiation Documents - Student LIPS - Class Analysis and Reflection Profile - ICPs - Differentiation Profiles - Health Care Plans/Multiple Risk Assessments	Oneschool (Student Support Provisions)
5. Protein ball 6. Family dinner	Workplace Health and Safety Considerations	Location
	- CARA Risk Assessment	Stored on Oneschool

SUGGESTED (KEY) LEARNING EXPERIENCES				
Interacting with new knowledge (DQ2)		Practising and Deepening Knowledge (DQ 3)	Generating and Testing Hypothesis (DQ 4)	
Declarative Knowledge: - Notetaking and Summarising - Chunking Content - Graphic Organisers - Non-Linguistic Representation Interacting with new knowledge (DQ2) Procedural Knowledge: - Visual and Verbal Instruction - Preview and Questions - Modelling Practical Situations - Cooperative Learning / Grouping - Reciprocal Teaching (flipping lessons)		 Using Structured Practice Sessions Comparing and Contrasting Examining Similarities and Differences Analysing Errors in Reasoning Homework Tasks 	 Predicting Problem Solving Decision Making Matrix Investigations Evaluations Data Collection and Analysis 	

SUGGESTED UNIT TEACHING/LEARNING SEQUENCE PLANNER:

TERM 1 2021

<mark>Dem</mark> Prac

Knowledge for assessment

Week	Lesson Content			Resources	
	1	2	3		
1	Learning Intent: Introduction to course Learning Goal 2: Students will understand food insecurity an Success Criteria: I can explain the term food equity. I can identify and explain reasons for f I can identify the groups of people at ri	ood inequity.	at contribute to food inequity.	- 3 level guides 2. HOW DOES THIS MAKE YOU FEEL.pptx combined safety and hygiene docs.docx Cookery planner T1.docx Frayer Food Security-pptx Frayer Food Security-TEEL.docx Revised_FBQ1LD_Hunger-Report-Infographic	
	Lesson Sequence:	Lesson Sequence:	Lesson Sequence:	Simulation activity.docx What is food security.docx	
	Understand Class Expectations Distribute folders Semester overview Discuss Assessment Discuss prac schedule and H/out Cooking outline Quick write – What does Mrs McGoldrick need to know about me? What is Food Equity? - PPT	What is Food Equity? - PPT What is food security? - frayer model Finish worksheet from lesson 1	How to successfully complete and write a workplan How to cost a recipe?	Simulation activity.docx	
2	Learning Goal 2:	Learning Goal tracking			
	Students will understand food insecurity a	Sheets.			
	 Success Criteria: I can explain the term food equity. I can identify and explain reasons for f 	ood inequity.		Proficiency Scale	

	I can identify the groups of people at r			
3	Lesson Sequence: Dem Fried Rice and students complete SRC Key skills - • How to write a SRC • Time management • Review kitchen procedures • Rice is a staple and can incorporate many colours and vegies Learning Goal 3:	Circumstances contributing to food inequity Groups at risk	Prac Fried Rice H/out learning goal tracking sheets and kitchen proficiency scales and discuss Discuss PMA which will be used digitally	☐ 1 Food Security.pptx ☐ Foodbank_Infographic_McCrindle_Oct2017 ☐ Fried Rice.docx ☐ GROUPS THAT MAY EXPERIENCE FOOD INE ☐ REASONS FOR FOOD INEQUITY.pptx Learning Goal tracking Sheets
	Students will understand why food inequity is an issue in Australia. Success Criteria: I can identify groups affected by food inequity in Australia. I can explain why food inequity affects certain groups in Australia.			
	Lesson Sequence:	Lesson Sequence:	Lesson Sequence:	
	Swimming Carnival	Dem Beef Bolognese OR Key skills – Beef mince – cheap cut of meat, using as many vegies as you can, discuss colour, health and waste. Groups at risk of food equity locally and globally	Prac Beef Bolognese Students complete digital PMA	
4	Learning Goal 1: Students will understand the functions of food nutrients and provide food examples for Protein, Fats, Minerals, Vitamins, Water, and Carbohydrates. Success Criteria: I can identify the five food groups I can identify the six food nutrients and food sources of the nutrients I can identify the function of food nutrients in the body			Learning Goal tracking Sheets all 3. Chicken Dinner.docx all 3. Work plan for Chicken Dinner.docx all 5. Nutrients.pptx all 9FDS LG Tracking Sheet 2020.docx all Costing a recipe.docx
	Lesson Sequence: Dem Pad See Ew	Lesson Sequence: How much do we need each day?	Lesson Sequence: Prac Pad See Ew	 DeT_Y05-06Band_U1_SS_HealthyCookTech.p Nutrients worksheet.docx PPS_Y04_U1_SS_FiveFoodGroups.pptx PPS_Y04_U1_SS_HowFoodHelpsOurBodies (
	Key skills -	Australian Dietary Guidelines Five food groups PPT 6 nutrients PPT	Students complete digital PMA	

		Complete activities		
5	Learning Goal 5: Students will be able to provide solutions to food waste.			Learning Goal tracking Sheets
	 Success Criteria: I can explain what food waste is a I can identify various solutions to I can justify my solutions by reference 	Food Insecurity.pptx Kwashiorkor - deep read.docx Kwashiorkor.pdf Porcupines Prac.pptx		
	Lesson Sequence:	Lesson Sequence:	Lesson Sequence:	Practical skills revision.doc who-famine-and-health.jpg
	Plan Design Task 1 (Students draw on knowledge of 5 food groups, 6 nutrients & ADG in prep for Exam)	Food Waste War on Waste - Clickview	Prac – Design Task 1 Students complete digital PMA	₫ Year 9 Chicken Prac.docx
6	Learning Goal 5: Students will be able to provide solutions Success Criteria:	to food waste.	1 Stade to Complete digital 1 W/1	Learning Goal tracking Sheets
	 I can explain what food waste is a I can identify various solutions to I can justify my solutions by refer 	Nutritional Information Table.docx Recipe Anaylsis.docx Recipes best for Kwashiorkor.docx		
	Lesson Sequence:	Lesson Sequence:	Lesson Sequence:	
	Plan Chicken Raffle Design Task 2	War on Waste Food Banks	Prac Chicken Raffle Design Task 2 Students complete digital PMA	
		Chicken, eggs to Takeaway on Clickview	Students complete digital Fivia	
7	Learning Goal 5: Students will be able to provide solutions		Learning Goal tracking Sheets	
	 Success Criteria: I can explain what food waste is and why it is an issue in Australia. I can identify various solutions to food waste. I can justify my solutions by referring to reasons for my choices. 			■ Water - the source of life.docx ■ Water Security.docx ■ water expanded.docx
	Lesson Sequence:	Lesson Sequence:	Lesson Sequence:	water.docx
	Dem Protein Ball	How to analyse a recipe Recipe analysis worksheet	Prac – Protein Ball	
	Key skills -	Nutritional info table worksheet Food Labels – see Food Tech text Tips to reduce Food Waste	Students complete digital PMA	
8	Learning Goal 4: Students will be able to evaluate a recipe	to determine its suitability to cook during a p	pandemic.	

	Success Criteria: I can identify strengths and limitations of a recipe. I can justify a recipe suitability by referring to ingredients and nutritional information.			□ Bangladesh.docx □ □ Floating gardens in Bangladesh.pptx □ Solutions to Food Insecurity worksheet.docx □ Solutions to Food Insecurity.pptx
	Plan Design Task 3 – Family Dinner	Revision for Exam	Prac – Design Task 3 – Family Dinner	
			Students complete digital PMA	
9	9 Learning Goal:			Around the World on a Plate - modern austr Bush Tucker Bingo (1).pdf
	Success Criteria:			
	Revision for Exam and answers	EXAM	Prac - Mystery box?	
10	Learning Goal:		•	
	Success Criteria:			
	Cleaning up kitchens. Start 'Wrap it up Unit', SEE NEXT CUP			

REVIEW NOTES (At and of unit)			
(At end of unit) What Worked Well What Didn't Work Well Action for Next Time			

UNIT OVERVIEW FOR PARENTS

YEAR LEVEL:	9	SUBJECT:	FOOD STUDIES	UNIT NAME:	Food Equity and	l Waste	
Unit Context Overview:	globally and how thi	s is influenced by	a global issue. Students examine food produ factors such as transport, infrastructure, polit epare safe and nutritious foods appropriate to	tical environment and		Unit Length:	APPROX 10 WEEKS (1 Term)

	KEY UNIT LEARNING GOALS AND SUCCESS CRITERIA					
	KEY LEARNING GOALS	SUCCESS CRITERIA				
1	Students will understand the functions of food nutrients and provide food examples for Protein, Fats, Minerals, Vitamins, Water, and Carbohydrates.	 I can identify the five food groups I can identify the six food nutrients and food sources of the nutrients I can identify the function of food nutrients in the body 				
2	Students will understand food insecurity and be able to identify and explain factors that contribute to food inequity.	 I can explain the term food equity. I can identify and explain reasons for food inequity. I can identify the groups of people at risk of food equity and explain why. 				
3	Students will understand why food inequity is an issue in Australia.	 I can identify groups affected by food inequity in Australia. I can explain why food inequity affects certain groups in Australia. 				
4	Students will be able to evaluate a recipe to determine its suitability to cook during a pandemic.	 I can identify strengths and limitations of a recipe. I can justify a recipe suitability by referring to ingredients and nutritional information. 				
5	Students will be able to provide solutions to food waste.	 I can explain what food waste is and why it is an issue in Australia. I can identify various solutions to food waste. I can justify my solutions by referring to reasons for my choices. 				
	ASSESSMENT INSTRUMENTS					
	Summative Assessment	Formative Assessment				
Wri	tten Examination	Proficiency Scale				
Pra	actical Cookery Lessons – (suggestion) • Simulation activity	Learning Goal Tracking Sheet				
	Packet cake without instructions.	Specifically-designed Formative Pieces				

 Fried rice Meat Bolognese Design Task 1 pg 69 	design a uni-student low income meal 'Chook Raffle' 'Rice grain'.
 Pad see ew Chicken raffle Protein ball Family dinner 	 Checklists Summaries (in preparation for written examination) Observations Questioning Verbal feedback Using student work as an exemplar