

# Design & Technology - Food Technology

Year 9

Topic: Investigation of a food life cycle

Task overview: Investigation of a food life cycle show understanding of a food product, the manufacture, use and how the packaging could be recycled

Name:



DT group:

Tutor group:

Target level:

Deadline:

Week	Task	Success Criteria		Suggestions & Resources	Feedback
1	Research your chosen food product Produce evidence of the research Analyse your findings <i>Produce an image of your food product</i> <i>Label and annotate your image identifying key ingredients/features</i> <i>Explain why the aesthetic/performance properties of the food product and the packaging are important to the user</i>	Mastering	Detailed research with thorough analysis of aesthetics and performance	Suggested food products: Loaf of bread, jar of instant coffee, bag of sugar, box of cornflakes  Websites & articles: <a href="http://www.channel4.com/programmes/food-unwrapped">www.channel4.com/programmes/food-unwrapped</a> <a href="http://www.foodafactoflife.org.uk">www.foodafactoflife.org.uk</a> <a href="http://www.nutrition.org.uk">www.nutrition.org.uk</a> <a href="http://www.bbc.co.uk/food">www.bbc.co.uk/food</a>  Specialist books Current newspaper articles	
		Secure	Detailed research with analysis of aesthetics and performance		
		Developing	Research with some analysis of aesthetics and performance		
		Launching	Simple research with little or no analysis		
2 & 3	Investigate how your raw ingredient is processed and manufactured into your final product  <i>Identify the main raw ingredient used and find out where it comes from</i>  <i>How is this raw ingredient processed? eg. ground, roasted, milled, refined, etc.</i>  <i>How is this raw ingredient used in the manufacturing of your product?</i>  <i>What processes are used? eg. Blending, kneading, proving, baking, poaching, boiling, etc.</i>	Mastering	Detailed investigation and comprehensive flow chart. Clearly shows an in-depth understanding of the process and technical terms involved	You tube How its made videos How stuff works website  Draw and /or write a flow chart of the manufacturing process	
		Secure	Detailed investigation of the raw ingredient used. Comprehensive flow chart of how the raw ingredient has been manufactured into the finished food product		
		Developing	Investigation of the raw ingredient used. Flow chart of how the raw ingredient has been manufactured into the finished food product		
		Launching	Basic investigation of the raw ingredient used. Some suggestions of how the raw ingredient has been manufactured into the finished food product		

Week	Task	Success Criteria		Suggestions & Resources	Feedback
4	Explain the function of your raw ingredient, the nutritional value and importance in our diet	Mastering	Level 7 plus examples of other food products that use the researched raw ingredient with reasons why	<a href="http://www.nutrition.org.uk">www.nutrition.org.uk</a>  <a href="http://www.bbc.co.uk/schools/gcsebitesize/design/foodtech/packaginglabellingrev1.shtml">www.bbc.co.uk/schools/gcsebitesize/design/foodtech/packaginglabellingrev1.shtml</a>  Local recycling authority publications  The 6 'Rs'	
	Describe the packaging of your chosen ingredient and say how it could be recycled	Secure	Detailed consideration given to the function, nutritional value and importance of the raw ingredient. The packaging has been analysed		
	List 3-5 recipes that incorporate your chosen ingredient, together with the reasons why it has been used	Developing	Consideration given to the function and nutritional value of the raw ingredient and the appearance and disposal of its packaging		
		Launching	Some consideration given to the function of the raw ingredient and the disposal of its packaging		
Ext	Consider and give your thoughts on the social and environmental issues connected with your food product's production	Mastering	Constructive and well balanced report/article on the social and environmental issues regarding the food product. A highly successful and	Starting points:  Locally produced food, Fairtrade, GM foods, seasonal, organic, sustainability, food waste, multicultural, etc.	
	<i>Write a report</i>	Secure	Detailed consideration given to social and environmental issues regarding the food product. A successful and challenging product		
	<i>or</i> <i>Produce an article for the school newsletter</i>	Developing	Consideration given to social and environmental issues regarding the food product. A successful product produced		
	In the presence of an adult, trail a recipe using your chosen food product	Launching	Some consideration given to social and environmental issues regarding the food product. An attempt at a recipe		
	<i>Provide photographic evidence</i>				
	<i>or</i> <i>Bring a sample in!</i>				

What my parents think about my work:

What I think about my work:

What my teacher thinks about my work:

Level: