Stage 2 Nutrition 2021

Assessment Type 1: Investigation Folio – Case Study **Name: _____**

Type 1: The analytical approach

The case study is examined in order to try and understand what has happened and why. It is not necessary to identify problems or suggest solutions.

Type 2: The problem-oriented method

The case study is analysed to identify the major problems that exist and to suggest solutions to these problems.

Introduction

A case study is a scenario in a particular context where students are expected to analyse and respond to, guided by specific questions posed concerning a situation. In many cases, the scenario involves a number of issues/problems that must be explored and reviewed.

Case study assignments usually require students to identify problems and issues in a scenario, to demonstrate their knowledge and understanding and analytic skills to make decisions and recommendations based on these to either prevent or solve some of the issues in the scenario.

Source modified from, Flinders University.

A successful case study analyses a real-life situation where existing problems need to be solved. It should:

Synopsis/Summary

- Present the scenario and/or focus question/hypothesis?
- Identify the issues/problems of the case study

Findings

- Research and present, relevant selected information and collated data (IAE2)

Discussion

- Link nutritional knowledge and understanding to case study findings (KU1)
- Critically analyse and interpret the findings (IAE3)

Conclusion

- Suggest solutions to these major problems (KU2 and IAE3)
- Recommend the best solution to be implemented (IAE3)

Implementation

- Detail how this solution should be implemented

Reference list/Bibliography

- Identify sources used to research and collect data

Aim

To demonstrate skills, knowledge and understanding in researching, analysing, evaluating a nutritional linked case study.

Possible case study (Open hence below are some suggestions)

Dietary models (Topic 1 and 2)

- Research, critically analysis and evaluate the benefits of a **Mediterranean diet** in improving and maintaining the general health of the Australian population

Dietary requirements due to life circumstance (Topic 2)

- Examine the diet and symptoms of the **British Antarctic expedition** in 1910 to 1913 to the South Pole. Determine whether the details of Scott and his party could have been due, at least in part, to inadequate diet.
- Examine the dietary needs of an **athlete**
- Examine the dietary needs of an **astronaut**

Dietary pattern and modifications (Topic 2)

- Analyses the relationship between the **food choices** to the health and well being of individuals by modifying and analysing dietary patterns

Social influence on dietary patterns (Topic 2)

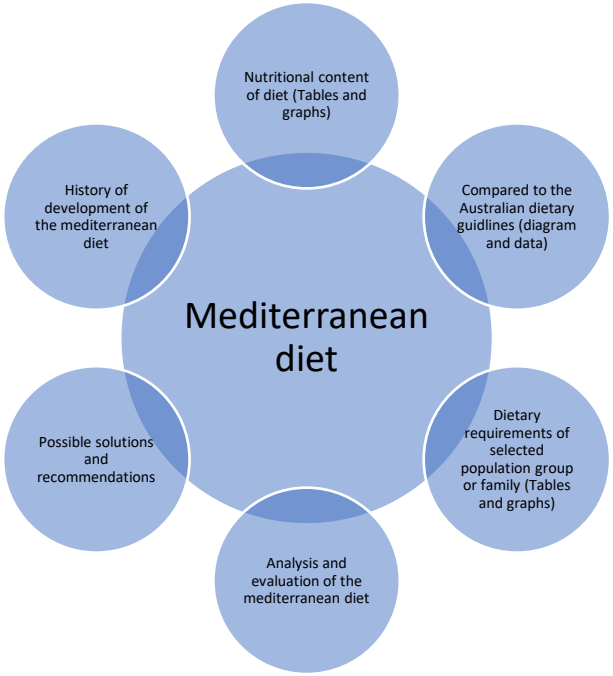
- Research critically analyses and evaluate the influence of an **advertising** campaign and its influence on the food choices of a group of individuals.

Farming and Sustainability (Topic 3)

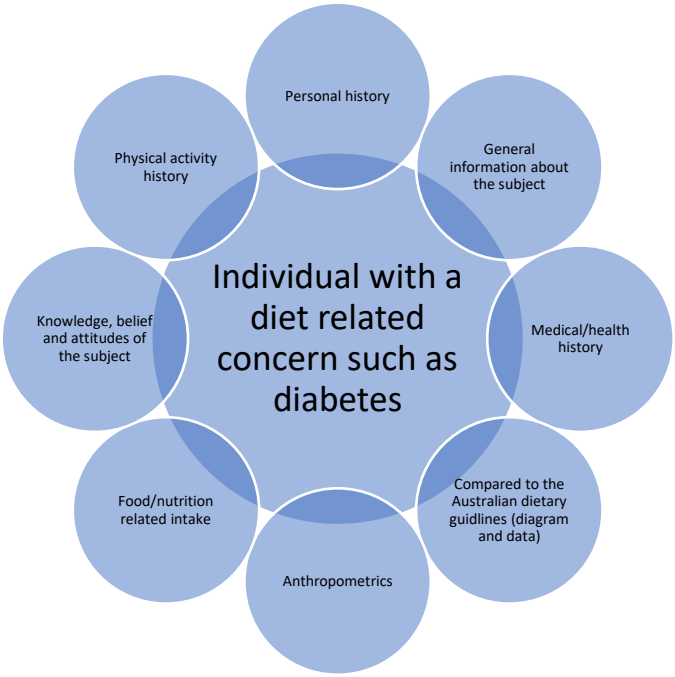
- Research desert farming and its impact on the urban environment (e.g. Salisbury)
- Research the use of vertical farming in remote areas to improve access to cheap fresh food
- Evaluate the impact of fish farming in coastal environments

Example

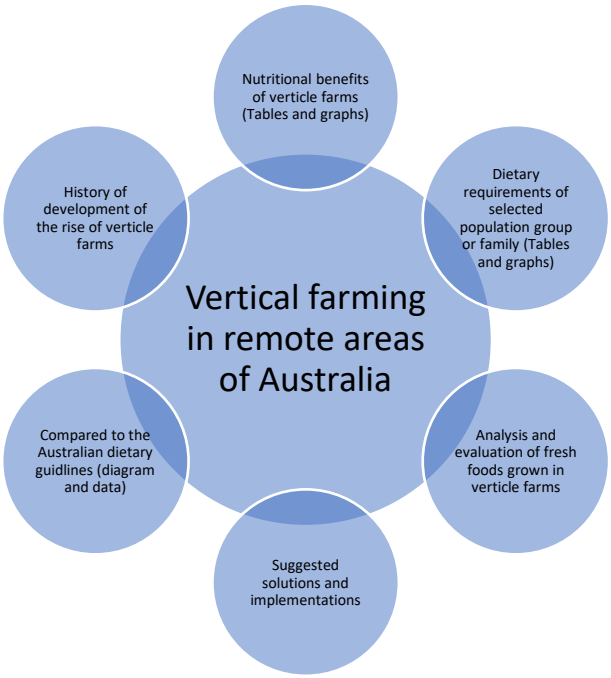
Mediterranean diet scenario



Individual scenario



Vertical farming



Assessment Conditions:

4 weeks to complete. Class time provided for research and support.

Students may submit one draft of the final scientific communication for feedback. This does not include the checkpoints and plan.

Verification of student work will occur throughout the task.

Word Count: maximum of 1000 words or 6 minutes for an oral presentation.

Assessment Design Criteria

Knowledge and Understanding: KU1, 2 and 4
Investigation Analysis and Evaluation: IAE2 and 3

Due Dates

Draft submission due date: ……

Final submission due date: ……

Stage 2 Nutrition Performance Standards

	Knowledge and Understanding	Investigation Analysis, and Evaluation
A	Demonstrates deep and broad knowledge and understanding of a range of nutritional concepts Highly effective application of nutritional concepts in familiar and unfamiliar contexts Critically explores and understands the relationship between nutritional science and society Coherent and clear communication of nutritional concepts and nutritional literacy	Logical and detailed planning of investigations using appropriate methodologies Obtain, record, and display findings of investigations, using appropriate conventions and formats accurately and highly effectively Systematically analyses and interprets data and /or information to justify logical conclusions Critically and logically evaluates methodologies and/ or research processes and the effect on data.
B	Demonstrates some depth and breadth of knowledge and understanding to a range of nutritional concepts Mostly effective application of nutritional concepts in familiar and unfamiliar contexts Logically explores and understands the relationship between nutritional science and society Mostly coherent and clear communication of nutritional concepts and nutritional literacy	Well considered planning of investigations using appropriate methodologies Obtain, record, and display findings of investigations, using appropriate conventions and formats mostly accurately and effectively Analysis and interpretation of data and /or information to justify reasonable conclusions Logically evaluates methodologies and/ or research processes and the effect on data
C	Demonstrates knowledge and understanding of a general range of nutritional concepts Generally effective application of nutritional concepts in familiar and unfamiliar contexts Explores and understands aspects of the relationship between nutritional science and society Generally coherent and clear communication of nutritional concepts and nutritional literacy	Consider planning of investigation using appropriate methodologies Obtain, record, and display findings of investigations, using appropriate conventions and formats, with some errors but generally accurately and effectively Interpretation of data and /or information to justify generally appropriate conclusions Evaluates methodologies and/ or research processes and some of the effect on data
D	Demonstrates some basic knowledge and partial understanding of nutritional concepts Application of some nutritional concepts in familiar contexts Partially explores and recognises aspects of the relationship between nutritional science and society Some clear communication of nutritional concepts and nutritional literacy	Basic planning of investigations using some appropriate methodologies Obtain, record, and display findings of investigations, using appropriate conventions and formats inconsistently, with occasional accuracy and effectiveness Describes data and /or information to formulate basic conclusions Attempts to evaluate methodologies and/ or research processes and suggest an effect on data
E	Demonstrates limited recognition and awareness of nutritional concepts Attempted application of nutritional concepts in contexts Attempts to explore and identify an aspect of the relationship between nutritional science and society Attempted communication of nutritional concepts and nutritional literacy	Attempts an outline of a plan for an investigation Attempts to record and represent some data, with limited accuracy or effectiveness Attempts to describe data and /or information and formulates a simple conclusion Acknowledges that methodologies and/ or research processes affect data