



Year 12 Food Technology Depth Study: The Australian Food Industry

Due Date: Week 7 - Monday 11th March by 9am	Assessment Name: Depth Study – Australian Food Industry
Mark: /80	Weighting: 20%

TASK DESCRIPTION:

Complete a **written report** which provides an overview of the sectors of the Australian Food Industry and the activities conducted by a chosen organisation by addressing each of the questions below.

Part A: Alarm Scaffold

Complete an ALARM matrix using the attached scaffold before compiling your written report.

Part B: Sectors of the Australian Food Industry

1. **Identify** and **describe** the four sectors of the Australian Food Industry.
2. **Identify and describe** an emerging technology within each of the following areas:
 - Food Production
 - Food Manufacture
 - Food Packaging
3. **Identify** the sector of the Australian Food Industry associated with each emerging technology identified above.
4. **Discuss** the potential benefits and risks of using each the emerging technologies identified above in food production and manufacture.

Part C: Industry Case Study

Choose one organisation operating within the Australian food industry below:

Bulla Dairy Foods	Bata	Simplot
Tassel	Woolworths	Norco Co-operative
Sanitarium	Coles	Sunrice

You may also choose to negotiate with your teacher another organisation involved within the Australian Food Industry.

1. **Identify** the levels of operation and mechanisation within the organisation and *describe* the types of equipment used within the organisation.
2. **Describe** the recent research and development the organisation has conducted or been involved in.
3. **Discuss** the quality assurance systems or processes that are used within the organisation.
4. **Explain** how consumers influence the products manufactured by the company. 5. **Evaluate** the company's impact on the: (i) the environment, (ii) the economy, (iii) society.
6. **Outline** the career opportunities within the organisation.
7. **Describe** the working conditions of a variety of roles within the organisation.
8. **Explain** how government policies and legislation impact the organisation.

Bibliography

A bibliography must be included as part of your submission which references each source of information (books, websites, newspaper articles etc) used in the completion of the task. This is to be completed on a separate page and attached to your case study.

SYLLABUS OUTCOMES TO BE ASSESSED:

- H1.2 Examines the nature and extent of the Australian Food Industry
- H1.4 Evaluates the impact of the operation of an organisation within the Australian Food Industry on the individual, society, and environment.
- H.3.1 Investigates operations of one organisation within the Australian food industry.

DIRECTIVES TO BE ASSESSED:

- Describe: Provide characteristics and features
- Discuss: Identify issues and provide points for and/or against
- Evaluate: Make a judgement based on criteria; determine the value of
- Explain: Relate cause and effect; make the relationships between things evident; provide why and/or how
- Identify: Recognise and name
- Outline: Sketch in general terms; indicate the key features of

Marking Guidelines/ Criteria

Part A: Alarm Matrix, Bibliography

Guidelines / Criteria	Marking
<ul style="list-style-type: none"> - ALARM Scaffold is completed with an extensive level of information and effectively communicates complex ideas and information. - Response demonstrates extensive knowledge of the sectors of the Australian Food Industry, emerging technologies & operations of one organisation within the Australian Food Industry. - Evidence of a variety of data sources – Bibliography completes with no errors. 	<p>Outstanding</p> <p>9-10</p>
<ul style="list-style-type: none"> - ALARM Scaffold is completed thoroughly and clearly communicates complex ideas and information. - Response demonstrates thorough knowledge of the sectors of the Australian Food Industry, emerging technologies & operations of one organisation within the Australian Food Industry. - Evidence of a variety of data sources – Bibliography complete. 	<p>High</p> <p>7-8</p>
<ul style="list-style-type: none"> - ALARM Scaffold is complete and demonstrates skills in selecting and integrating information and communicating relevant ideas in an appropriate manner. - Response demonstrates a sound understanding of the sectors of the Australian Food Industry, emerging technologies & operations of one organisation within the Australian Food Industry. - Evidence of some data sources – Bibliography mostly complete 	<p>Sound</p> <p>5-6</p>
<ul style="list-style-type: none"> - ALARM Scaffold is mostly complete and demonstrates basic skills in selecting and using information and communicating ideas in a descriptive manner. - Response demonstrates a basic understanding of the sectors of the Australian Food Industry, emerging technologies & operations of one organisation within the Australian Food Industry – Little use of factual material to support generalisations. – Limited/ Incomplete Bibliography. 	<p>Basic</p> <p>3-5</p>
<ul style="list-style-type: none"> - ALARM matrix scaffold contains limited information related to the task. - Has few to no relevant points in answer. - No bibliography 	<p>Limited</p> <p>0-2</p>

Part B: Sectors of the Australian Food Industry

H1.2 Examines the nature and extent of the Australian Food Industry

(Questions 1-4)

Guidelines / Criteria	Marking
<ul style="list-style-type: none">– Identifies and presents a detailed description of each sector of the Australian Food Industry.– Clearly Identifies three presents a detailed description of an emerging technologies within the areas of food production, food manufacture and food packaging.– Presents a detailed discussion of the potential benefits and risks of using each the emerging technologies identified above in food production and manufacture.	Outstanding 18-20
<ul style="list-style-type: none">– Identifies and presents a clear description of each sector of the Australian Food Industry. – Clearly Identifies and presents a description three emerging technologies within the areas of food production, food manufacture and food packaging– Presents a clear discussion the potential benefits and risks of using each the emerging technologies identified above in food production and manufacture.	High 15-17
<ul style="list-style-type: none">– Identifies and describes of each sector of the Australian Food Industry. – Identifies and presents a sound description example of emerging technologies within the areas of food production, food manufacture and food packaging.– Presents a sound discussion the potential benefits and risks of using each the emerging technologies identified above in food production and manufacture.	Sound 10-14
<ul style="list-style-type: none">– Identifies or presents a basic outline of sectors within of the Australian Food Industry. – Identifies and describes aspects related to an emerging technology within the Australian Food Industry.– Identifies some potential benefits or risks of using each the emerging technologies identified above in food production and manufacture.	Basic 6-9
<ul style="list-style-type: none">– Limited information related to the sectors of the Australian Food Industry or emerging technologies.– Completely irrelevant information or copious amounts of generalisations.– Has few to no relevant points in answer. Has few to no relevant points in answer.	Limited 0-5

Part C: Industry Case Study

H.3.1 Investigates operations of one organisation within the Australian food industry.

(Questions 1,2,3,4,6,7,8)

Guidelines / Criteria	Marking
<ul style="list-style-type: none"> – Clearly identifies the levels of operation and mechanisation within the organisation. Presents a detailed description of the types of equipment used within the organisation. – Presents a detailed description of the recent research and development the organisation has conducted or been involved in. – Presents a detailed discussion of the quality assurance systems or processes that are used within the organisation – Provides a detailed explanation of how consumers influence the products manufactured by the company. – <i>Outlines a variety of</i> career opportunities within various aspects of the organisation. – Provides a detailed description the working conditions of a variety of roles within the organisation. – Provides a detailed explanation of how a range of government policies and legislation impact various aspects the organisation. 	<p>Outstanding</p> <p>30-35</p>
<ul style="list-style-type: none"> – Identifies the levels of operation and mechanisation within the organisation. Presents a clear description of the types of equipment used within the organisation. – Describes the recent research and development the organisation has conducted or been involved in. – Discusses of the quality assurance systems or processes that are used within the organisation. – <i>Describes</i> how consumers influence the products manufactured by the company. – Explains of how consumers influence the products manufactured by the company. – <i>Outlines a variety of</i> career opportunities within the organisation. – Describes the working conditions of a variety of roles within the organisation. – Describes how a range of government policies and legislation impact various aspects the organisation. 	<p>High</p> <p>22-29</p>
<ul style="list-style-type: none"> – Identifies the levels of operation and mechanisation within the organisation. Describes the equipment used within the organisation. – Identifies the recent research and development the organisation has conducted or been involved in. – Describes the quality assurance systems or processes that are used within the organisation – Describes how consumers influence the products manufactured by the company – <i>Outlines</i> career opportunities within the organisation. – Outlines the working conditions of a variety of roles within the organisation. – Outlines how government policies and legislation impact the organisation. 	<p>Sound</p> <p>15-21</p>
<ul style="list-style-type: none"> – Identifies the levels of operation and mechanisation within the organisation. Identifies equipment used within the organisation. – Lists the recent research and development the organisation has conducted or been involved in. – Identifies a quality assurance system or processes that are used within the organisation – Identifies ways that consumers influence the products manufactured by the company – Provides a limited list of career opportunities within the organisation. – Identifies the working conditions of a role within the organisation. – Identifies government policies and/or legislation that may impact the organisation. 	<p>Basic</p> <p>7-14</p>
<ul style="list-style-type: none"> – Limited information related to the operation of an organisation within the Australian Food Industry. – Completely irrelevant information or copious amounts of generalisations. – Has few to no relevant points in answer. Has few to no relevant points in answer. 	<p>Limited</p> <p>0-6</p>

Part C: Industry Case Study

H1.4 Evaluates the impact of the operation of an organisation within the Australian Food Industry on the individual, society, and environment.

(Question 5)

Guidelines / Criteria	Marking
– Presents a detailed evaluation on the companies impact on the: (i) the environment, (ii) the economy, (iii) society.	Outstanding 14-15
– Explains the companies impact on the: (i) the environment, (ii) the economy, (iii) society.	High 11-13
– Describes the companies impact on the: (i) the environment, (ii) the economy, (iii) society.	Sound 7-10
– Identifies the companies impact on the: (i) the environment, (ii) the economy, (iii) society.	Basic 4-6
– Limited information related to the operation of an organisation within the Australian Food Industry. – Completely irrelevant information or copious amounts of generalisations. – Has few to no relevant points in answer. Has few to no relevant points in answer.	Limited 0-3

Alarm Scaffold/ Bibliography	/10
Outcome 1.2	/20
Outcome 1.4	/15
Outcome 3.1	/35
Total	/80