

# Pendle Hill High School

## Assessment Task Cover Sheet

<b>Faculty/Subject:</b>	Food Technology	<b>Assessment Task No:</b>	1
<b>Year:</b>	12	<b>Assessment weighting:</b>	15%
<b>Date Given:</b>	25 <sup>th</sup> October 2019	<b>Due date and time:</b>	25 <sup>th</sup> November 2019
<b>Student name:</b>		<b>Teacher:</b>	Mrs Prants

### Submission Instructions

- The task must be completed by the due date. Hard copies must be handed to your regular classroom teacher during school hours and signed for.
- Email submissions must be sent to the following email account: elizabeth.prants@det.nsw.edu.au
- Assignments received after **3:15pm** on the due date will be classed as a late submission, unless an alternate time is stated on the assessment cover sheet.
- Students must attend school and all scheduled classes on the due date of the assessment. See assessment handbook for details.

### Absence/Late Submission

#### Late submission:

- For students in Years 11 and 12, the penalty is zero for work submitted after the due date and time. An immediate N award warning letter will be mailed to parents.
- For students in Years 7, 8, 9 and 10 the penalty is 20% of total mark per day (not marks scored). The penalty includes weekend and public holidays. This will result in an N award warning letter being mailed to parents for Year 9 and 10 students.

#### Absence:

- **Year 11 -12** - you are required to complete and submit to the front office an **Assessment Appeal form** within 48 hours of returning to school.
- **Year 7 -10** - if you are absent from school on the day the task is to be completed, you are required on your return to school to provide a medical certificate or other documentation to the front office and your class teacher.
- Failure to provide adequate documentation will result in late submission penalties being applied.

### Student Confirmation - please tick

- This is all my own work. I have referenced any work used from other sources and have not plagiarised the work of others. I understand that plagiarised work will receive zero marks and an N award warning letter.
- I have attached a complete bibliography - where appropriate.
- I have kept a copy of my assignment.

**Student Signature:** \_\_\_\_\_

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### Assessment Task Receipt

Students are to complete before handing in. Teacher signs the receipt that must be kept by the student.

Student Name: \_\_\_\_\_ Subject: \_\_\_\_\_

Task No: \_\_\_\_\_ Due Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date submitted: \_\_\_\_/\_\_\_\_/\_\_\_\_

Student Signature: \_\_\_\_\_ Teacher Signature: \_\_\_\_\_

**Year 12 Food Technology**  
**Australian Food industry- Emerging Technologies**

**Syllabus Outcomes**

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
H3.1 investigates operations of one organisation within the Australian food industry

**Specific Task Details**

Research **two** emerging technologies within the Australian food industry.

For each:

- a) Identify the technology and explain which sector it belongs to (1 mark)
- b) Describe the nature of the emerging technology (4 marks) ie: what is it and what does it do?
- c) Identify and account for the-reasons behind the development of the technology (3 marks)
- d) Discuss the impact of the technological development on the other sectors of the food industry (consider both short and long-term impacts, and remember impact can be positive or negative) (3 marks)
- e) Describe **at least** two advantages and disadvantages of the use of this technology (5 marks)
- f) Predict the impact of the technology on the Australian consumers and the environment. Use examples to support your response (4 marks)

**Each emerging technology will be marked out of 20, giving the task a total of 40.**

**A bibliography/reference list must be included and all work should be in your own words.**

NB: You will not find all of the required information clearly documented in secondary research. You will have to research the information pertaining to the emerging technologies and then apply your understanding of this to the remaining questions.

## Success Marking Criteria

	<b>Total Marks</b>	<b>/40</b>
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### TECHNOLOGY 1 (20 marks)

<b>a) identify</b> the technology and <b>explain</b> the <i>sector</i> it belongs	<b>Marks</b>
Correctly names and explains which sector of the Australian Food Industry it belongs to. Presents a logical response using appropriate terminology.	<b>1</b>
Sector of the Australian Food Industry is incorrectly named and/or not included Question is incomplete, inaccurate and/or not attempted	<b>0</b>

<b>b) describe</b> the <i>nature</i> of the technology	<b>Marks</b>
Provides characteristics and features of the technology in a detailed response. Presents a logical and cohesive response using appropriate terminology.	<b>3-4</b>
Provides characteristics and features of the technology in a brief response. Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Sketches in general terms some information about the technology Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>c) Identify</b> and <b>account</b> for the important <i>reasons</i> behind the development	<b>Marks</b>
Correctly recognises and names the reasons behind the development. Reports on the reasons behind this development in a detailed response. Presents a logical and cohesive response using appropriate terminology.	<b>3</b>
Sketches in general terms about the development and/or potential reason(s) Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Provides general information on the development Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>d) Discuss</b> the <i>impact</i> of the development on the <i>other sectors</i> of the AFI (short and long term)	<b>Marks</b>
Identifies issues and provides a detailed discussion of the positive and/or negative impact(s) on the other three sectors of the food industry. Presents a logical and cohesive response using appropriate terminology.	<b>3</b>
Identifies issues and provides a brief discussion of the positive and/or negative impact(s) on the other three sectors of the food industry. Presents a logical response.	<b>2</b>
Provides general information on the impact of the development. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>e) Describe</b> the <i>advantages</i> and <i>disadvantages</i> of the use of this <i>technology</i> .	<b>Marks</b>
Correctly provides characteristics and features of TWO advantages of the use of this technology. Correctly provides characteristics and features of TWO disadvantages of the use of this technology. Demonstrates an understanding of the use of this technology through detailed discussion. Presents a logical and cohesive response using appropriate terminology.	<b>4-5</b>
Provides characteristics and/or features of the advantage(s) of the use of this technology. Provides characteristics and/or features of the disadvantage(s) of the use of this technology. Presents a logical response and/or uses appropriate terminology.	<b>2-3</b>
Sketches in general terms potential advantage(s) or disadvantage(s) of the use of this technology. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>f) Predict</b> the impact of each development on <i>Australian consumers and the environment</i> with examples.	<b>Marks</b>
Rationally suggests potential impacts of the development on Australian consumers with examples. Rationally suggests potential impacts of the development on the environment with examples. Demonstrates an understanding of the potential impacts through detailed discussion. Presents a logical and cohesive response using appropriate terminology.	<b>3-4</b>
Identifies potential impact(s) of the development on Australian consumers with example(s). Identifies potential impact(s) of the development on the environment with example(s). Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Sketches in general terms potential impact(s) on Australian consumers <b>and/or</b> the environment. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

## TECHNOLOGY 2 (20 marks)

<b>a) identify</b> the technology and <b>explain</b> the <i>sector</i> it belongs	<b>Marks</b>
Correctly names and explains which sector of the Australian Food Industry it belongs to. Presents a logical response using appropriate terminology.	<b>1</b>
Sector of the Australian Food Industry is incorrectly named and/or not included Question is incomplete, inaccurate and/or not attempted	<b>0</b>

<b>b) describe</b> the <i>nature</i> of the technology	<b>Marks</b>
Provides characteristics and features of the technology in a detailed response. Presents a logical and cohesive response using appropriate terminology.	<b>3-4</b>
Provides characteristics and features of the technology in a brief response. Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Sketches in general terms some information about the technology Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>c) Identify</b> and <b>account</b> for the important <i>reasons</i> behind the development	<b>Marks</b>
Correctly recognises and names the reasons behind the development. Reports on the reasons behind this development in a detailed response. Presents a logical and cohesive response using appropriate terminology.	<b>3</b>
Sketches in general terms about the development and/or potential reason(s) Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Provides general information on the development Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>d) Discuss</b> the <i>impact</i> of the development on the <i>other sectors</i> of the AFI (short and long term)	<b>Marks</b>
Identifies issues and provides a detailed discussion of the positive and/or negative impact(s) on the other three sectors of the food industry. Presents a logical and cohesive response using appropriate terminology.	<b>3</b>
Identifies issues and provides a brief discussion of the positive and/or negative impact(s) on the other three sectors of the food industry. Presents a logical response.	<b>2</b>
Provides general information on the impact of the development. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>e) Describe</b> the <i>advantages</i> and <i>disadvantages</i> of the use of this <i>technology</i> .	<b>Marks</b>
Correctly provides characteristics and features of TWO advantages of the use of this technology. Correctly provides characteristics and features of TWO disadvantages of the use of this technology. Demonstrates an understanding of the use of this technology through detailed discussion. Presents a logical and cohesive response using appropriate terminology.	<b>4-5</b>
Provides characteristics and/or features of the advantage(s) of the use of this technology. Provides characteristics and/or features of the disadvantage(s) of the use of this technology. Presents a logical response and/or uses appropriate terminology.	<b>3-4</b>
Sketches in general terms potential advantage(s) or disadvantage(s) of the use of this technology. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

<b>f) Predict</b> the impact of each development on <i>Australian consumers and the environment</i> with examples.	<b>Marks</b>
Rationally suggests potential impacts of the development on Australian consumers with examples. Rationally suggests potential impacts of the development on the environment with examples. Demonstrates an understanding of the potential impacts through detailed discussion. Presents a logical and cohesive response using appropriate terminology.	<b>3-4</b>
Identifies potential impact(s) of the development on Australian consumers with example(s). Identifies potential impact(s) of the development on the environment with example(s). Presents a logical response and/or uses appropriate terminology.	<b>2</b>
Sketches in general terms potential impact(s) on Australian consumers <b>and/or</b> the environment. Question is incomplete, inaccurate and/or not attempted	<b>0-1</b>

### Feedback

Areas of Strength	
Areas for Improvement	