



**1 & 2 APRIL 2019**  
**ANNUAL CONFERENCE**

ANZ STADIUM – SYDNEY OLYMPIC PARK

**THE PLACE OF GEOGRAPHY**

Monday, 1 April  
Workshop 2D Marking  
HSC short answers  
and extended  
responses

# Program

1. Overview of the HSC Marking Process
2. Short Response: People and Economic Activity  
HSC 2018 Question 24 (a) to (c) Scripts 1 to 5.
3. Extended response: Ecosystems at Risk  
Question 27 Scripts 6 to 10
4. Types of Feedback

# Marking and Assessments

## VALIDITY vs ACCURACY vs RELIABILITY

- Validity – Does the test measure/assess what it is supposed to?
- Accuracy – The ‘true’ value of the work.
- Reliability – Is the measurement consistent across markers AND candidates?

NOTE – attempts to increase reliability may decrease validity. (Meadows and Billington 2005)

# Overview of the HSC Marking Process

- Markers apply in March
- Appointed in August
- Approximately 4600 candidates
- Supervisor of Marking (SOM) appoints 10 Senior Markers who are responsible for a team of markers who will mark a specific question, either short answer 21, 22, 23, 24 OR the extended responses 25, 26, 27.
- There are another 70 or so markers used and placed according to the demand
- SMs arrive almost a week before the rest of the markers

# Practice Marking

- Practice marking is the term given to the familiarisation and accurate application of the marking criteria prior to final marking
- Final marking is the term given once markers are confident in their application of the criteria to apply marks to students work
- Practice marking occurred for two marking sessions (8 hours was devoted to this phase).
- SM's monitor the markers accuracy in the application of the criteria to the question before final marking is allowed.
- A lot of the time this was a +/- 1 mark allocated by the marker compared to the mark given by the SM (3 mark leeway)

# Criteria for assessing (24a & 27)

| NESA                                                                                     | Students (what comments in feedback)     |
|------------------------------------------------------------------------------------------|------------------------------------------|
| Outlines how ONE biophysical factor affects the spatial pattern of the economic activity | Well done, clear and concise             |
| Provides some relevant information                                                       | More detail, address directive term, ATQ |

| NESA                                                                                     | Students (what comments in feedback)                                               |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Demonstrate geographical knowledge and understanding relevant to the question            | Content, content specific to the question or perhaps the topic.                    |
| Communicate ideas and information using geographical terms and concepts appropriately    | Need for geographic terminology, sophistication of language and ideas.             |
| Refer to case studies, illustrative examples and the Stimulus Booklet where appropriate. | Theoretical or too general, lacks specific detail in one or multiple case studies. |
| Present a sustained, logical and cohesive response.                                      | Too short, jumps around the place, doesn't flow well.                              |

Answers could include.....

- Do you write these before you read the answers?
- These are written before the students write their responses
- They are not exhaustive and are not required as the only means of demonstrating an understanding of the question.

## 2. Short Response: People and Economic Activity

### HSC 2018 Question 24 (a) to (c) Scripts 1 to 4

- Participants read marking guidelines for Questions 24 (a), (b) and (c)
- Participants pilot mark scripts 1 and 2 in pairs.
- Show annotations
- Participants mark scripts 3, 4 and 5 Individually.
- Show annotations



## Marking Guidelines

### Question 24 (a)

| Criteria                                                                                                                                 | Marks |
|------------------------------------------------------------------------------------------------------------------------------------------|-------|
| • Outlines how ONE biophysical factor affects the spatial pattern of the economic activity                                               | 3     |
| • Shows some understanding of the spatial pattern of the economic activity and/or one biophysical factor affecting the economic activity | 2     |
| • Provides some relevant information                                                                                                     | 1     |

### Question 24 (b)

| Criteria                                                                                                        | Marks |
|-----------------------------------------------------------------------------------------------------------------|-------|
| • Provides points for and/or against how the use of technology has affected the nature of the economic activity | 4     |
| • Outlines how the use of technology has affected the nature of the economic activity                           | 3     |
| • Shows some understanding of the use of technology in the economic activity                                    | 2     |
| • Provides some relevant information                                                                            | 1     |

### Question 24 (c)

| Criteria                                                                                          | Marks |
|---------------------------------------------------------------------------------------------------|-------|
| • Provides comprehensive ways that the economic enterprise improves its ecological sustainability | 6     |
| • Describes ways that the economic enterprise improves its ecological sustainability              | 4–5   |
| • Outlines way(s) that the economic enterprise improves its ecological sustainability             | 2–3   |
| • Provides some relevant information                                                              | 1     |

# Script 1



10/18/2024

## Script 1

Question 24 (13 marks)

Answer parts (a) and (b) with reference to an economic activity you have studied.

Economic activity: Viticulture

(a) Outline how ONE biophysical factor affects the spatial pattern of this economic activity.

2/3

Latitude - grapes can only be grown between 30° and 50° North and South of the equator. The lower latitudes are too hot for grape production or the higher latitudes are too cold.

Biophysical factor in response is climate not latitude (which is an indicator of climate).

## Script 1

- (b) Discuss how the use of technology has affected the nature of this economic activity.

1/4

0 This has resulted in the development in thousands of grapes varieties, although not all of them are not used in wine production

0 The climate in which the grapes are to be grown has varied, set of biological conditions and the grapes are subjected to multiple processes which result in the diversity of wine produced

No understanding of the use of actual technology: varieties could be natural, what processes?

# Script 1

Question 24 (continued)

Script 1

- (c) Explain how an individual economic enterprise improves its ecological sustainability.

5/6

Economic enterprise: Tamborline

- ① Probiotic aeration pond - collects all grey water produced in the winery. All the impurities at Tamborline are broken down through the aeration process and then the water is returned to the vineyard (via drip irrigation)  
- needed to include how this improves ecological sustainability
- ② Recycle of products - by products such as grape skins, seeds and grape stems that are leftover during wine production. At Tamborline they collect these products and combine it with ash to create an organic fertiliser called MARC  
OR - organic
- ③ Renewable Energy - the winery has installed a number of solar panels on their ware houses. This aims at making the warehouse carbon neutral  
- best example - carbon neutral

## Script 2

2019 HSC

### Script 2

Question 24 (13 marks)

Answer parts (a) and (b) with reference to an economic activity you have studied.

Economic activity: Viticulture

- (a) Outline how ONE biophysical factor affects the spatial pattern of this economic activity.

3/3

Soil affects the spatial pattern of this economic activity as it can determine what wine is being produced. Soil is key in the supply of water to the vine. Though the character and quality of wine is determined by soil being heavy or light. Heavy soils suit red wine and light soils suit white wine. Just gets enough spatial pattern in response based on factor. Better if closer to S.P.

## Script 2

- (b) Discuss how the use of technology has affected the nature of this economic activity.

3/4

Technological changes have had a significant impact on the production of wine, particularly in 'New World' countries. These countries have used technology in order to enhance grape growth and production of wine. Technology has also had an effect on the flow of capital, decision making and marketing of the finished product produced. From the 1960's technology has been able to ~~enhance~~ enhance viticulture through site selection, microclimate conditions and mechanisation. These factors have positively impacted viticulture and will continue to develop to improve viticulture even more.

Needs more particulars about technology.

This only Question 24 continues on page 19

with "positively impacted."

little "discussion"

Question 24 (continued)

## Script 2

- (c) Explain how an individual economic enterprise improves its ecological sustainability.

6/6

Economic enterprise: Timberlaine

Timberlaine has improved and continues to improve their ecological sustainability in 3 sectors:

1) Probiotic aeration pond - This is whereby all grey water is ~~collected~~ run through an aeration process and returned to the vineyard by drip irrigation.

This is sustainable as they are able to recycle water and limit use of new water, saving money

} linking sentence on ecological sustainability

2) Recycle of by products - By products of wine <sup>are</sup> combined with ~~wine~~ ash in order to create an organic fertiliser.

This achieves sustainability because it creates less waste as well as creating a fertiliser which is ecologically beneficial towards the environment.

} linking sentence

3) Renewable energy - Solar panels have been installed in order to make the winery carbon neutral. This

achieves sustainability because the solar panels have reduced the amount of electricity used as well as reducing carbon emissions by 1000 tonnes per year.

} link

End of Question 24

Comprehensive response with good understanding of directive term

# Script 3

2019 HSC

## Script 3

Question 24 (13 marks)

Answer parts (a) and (b) with reference to an economic activity you have studied.

Economic activity: viticulture

(a) Outline how ONE biophysical factor affects the spatial patterns of this economic activity.

1/3

Altitude <sup>temp. & temp. range</sup> Altitude is a biophysical factor that affects the spatial pattern of viticulture as it determines where grapes can be produced efficiently without having to input an ~~economic~~ economically viable amount of money.   
Lacks sense of affect on spatial pattern?   
Between what temperatures? What areas?



## Script 3

- (b) Discuss how the use of technology has affected the nature of this economic activity.

3/4

Technology has resulted in the development of thousands of grape varieties. Each variety has its own flavor, colour, sugar concentration, growth time and resistance to pests and diseases.

Technology has also altered the production process to be made easier - for example traditional wooden casks can only hold limited amount of wine but new developments in plastic casks has meant that they can hold more wine and can be reused, meaning the nature of wine production has changed to a more technical industry.

Outlines technology on nature (easier, more capacity) Discussion points? Varieties of technology?

Question 24 continues on page 19

# Script 3

## Script 3

Question 24 (continued)

- (c) Explain how an individual economic enterprise improves its ecological sustainability.

2/6

Economic enterprise viticulture

Viticulture can improve sustainability by reducing the amount of fertiliser used or by going completely organic such as Tamberlane winery has. Tamberlane have achieved an organic certification as they have zero use of chemicals. This means that their sustainability is extraordinary as they are trying to do little to no damage to the environment. This also appeals to consumers and other wineries start to follow suit due to consumer demand for reducing the overall sustainability at an enterprise level.

Recurring issue 'reducing the overall sustainability': one organic factor is outlined:

End of Question 24

## Script 4

201 HSL

Script 4

Question 24 (13 marks)

Answer parts (a) and (b) with reference to an economic activity you have studied.

Economic activity: Global Viticulture

(a) Outline how ONE biophysical factor affects the spatial pattern of this economic activity.

3/3

*Provides enough space of affect on spatial pattern. Better latitude and climate linked more.*  
Climate affects where wine can be produced. grapes <sup>vines</sup> can only grow in optimal weather conditions. This means it is only grown between 30° and 50° north and south of the equator. The ideal climate is long dry hot summers and cool moist dry winters which only occurs in some parts of the world.

## Script 4

- (b) Discuss how the use of technology has affected the nature of this economic activity

4/4

Technology has influenced the wine making aspect of viticulture. As ~~the sector of~~ viticulture has moved from the Old World to the New World smaller family owned wineries are being outcompeted by large companies operating with greater technology in countries like Australia USA and Chile. The use of irrigation drips, fertilisers, pesticides, large machinery for ploughing and pruning and computer technology has allowed ~~the~~ Global Viticulture to expand as wine is produced in greater quantities more efficiently. *explores technology particulars and impact on quality, with discussion on competition.*

# Script 4

Question 24 (continued)

Script 4

- (c) Explain how an individual economic enterprise improves its ecological sustainability. 5/6

Economic enterprise: Tamburlaine Winery

Tamburlaine has improved its ecological sustainability by becoming certified organic and employing sustainable practices ~~into~~ <sup>These</sup> include: probiotic aeration ponds which collect grey water to be broken down naturally to be reused, saving water. The ~~waste~~ <sup>by-products</sup> from grape growing such as grape skins, seeds, stems left over are recycled into a natural compost to be used again reducing their ecological footprint. The use of companion planting achieves sustainability by planting grasses inbetween kellites to air out the soil and increase biodiversity, increasing grape produce. Creating High Trellis for vines is another ~~an~~ ecologically friendly way of increasing production sustainably as they receive more <sup>airflow</sup> and are more resistant to mould.

End of Question 24

*Very strong description though ecological sustainability not always explained e.g. why are trellises ecologically sustainable?*

## Script 5



2018/1507

Script 5



Question 24 (13 marks)

Answer parts (a) and (b) with reference to an economic activity you have studied.

Economic activity: Tamburaine Viticulture

- (a) Outline how ONE biophysical factor affects the spatial pattern of this economic activity.

1/3

Tamburaine located in the Hunter Valley of NSW is located at  $32^{\circ}46'S$ ,  $151^{\circ}28'E$ . This places it in the ideal range needed for viticulture of  $30-50^{\circ}N+S$ . This biophysical factor of topography has a positive effect for this economic activity. "ideal climate range would have increased to 2/3. Enterprise not actually so good for soil."

## Script 5

- (b) Discuss how the use of technology has affected the nature of this economic activity.

~~Technology has affected this eco~~

**Transportation and storage:** Refrigeration and stainless steel technologies have revolutionized transport and storage of grapes, they're able to be transported long distances.

(e.g. Orange to the Hunter Valley).

**Micro climate Conditions:** Sensors within vineyards detect sunshine, air and soil temps, wind speed and direction, humidity, rainfall and leaf wetness. This then helps greatly with production of wine.

*lacks specific detail on affects on winemaking.  
grape transport? ok for "some" understanding.*

Question 24 continues on page 19

## Script 5

Question 24 (continued)

- (c) Explain how an individual economic enterprise improves its ecological sustainability.

5/6

Economic enterprise: Tamburlaine

**Probiotic aeration pond:** Collects the grey water produced in the winery. All impurities are blocked down through aeration process and water is then returned to the vineyard via drip irrigation. This achieves sustainability by recycling the water and not putting it into stormwater and it also limits the use of new water in winery saving money on water costs.

**Renewable energy:** The winery has installed a large number of solar panels on their warehouses. The aim of this to make the winery carbon neutral. This achieves sustainability because the solar panels have reduced the amount of electricity used by the winery saving them \$110,000/year and reducing the carbon emissions by 1000 tonnes/year.

Good response though not comprehensive as only two ways of improving ecological sustainability are provided. \$110,000/year figure is a distraction, focus on ecological sustainability

End of Question 24



### 3. Extended Response: Ecosystems at Risk HSC 2018

#### 2018 HIGHER SCHOOL CERTIFICATE EXAMINATION

#### Geography Section III

**40 marks**

**Attempt TWO questions from Questions 25–27**

**Allow about 1 hour and 15 minutes for this section**

Answer both questions in the Section III Writing Booklet. Extra writing booklets are available

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Your answers will be assessed on how well you:

- demonstrate geographical knowledge and understanding relevant to the question
- communicate ideas and information using geographical terms and concepts appropriately
- refer to case studies, illustrative examples and the Stimulus Booklet where appropriate
- present a sustained, logical and cohesive response

#### **Question 27 (20 marks)**

Assess the effectiveness of the strategies that have been used to manage the threats to at least ONE ecosystem at risk.

### **3. Extended Response: Ecosystems at Risk HSC 2018**

**Go to pdf for marking criteria and responses**

## 4. Feedback

- Students use marking criteria to mark scripts prior to marks being returned.
- Peer marking for formative tasks using 'ladder of feedback'.
- Bump It Up Wall
- Socratic
- Results Analysis Package

## Ladder of Feedback Guide for Classroom Observations

<http://alinktothepresent.com/ProjectZero/Assets/Supporting%20Learning%20Groups%20in%20the%20Classroom%20Packet.pdf>

The "Ladder of Feedback"\* is a protocol or structure that establishes a culture of trust

**Refer** to these guidelines when framing your responses:

- Clarify:
  - The student's ideas may not seem clear or some information may be missing. Clarify by asking questions about unclear points or absent ideas before giving feedback.
- Value:
  - After gathering the proper information, express your appreciation for your colleague's ideas. This is fundamental to the process of constructive feedback. Valuing builds a supportive culture of understanding and helps us identify strengths in our work we might not have recognized otherwise. Stress the positive points of the work, note strengths and offer honest compliments. This sets up a supportive tone during a feedback session. Such value finding shows that the giver of feedback honours the person and his strongest ideas.

- Offer Concerns:

- Often there are legitimate concerns about the work being assessed. Perhaps you see problems or don't agree with the ideas or actions in question. Now is the time to raise such concerns -not as derisive accusations or abrasive criticisms, but as honest thoughts and concerns. "Have you considered . . .", "Perhaps you have thought about this, but . . ." These are all ways of framing concerns in non-threatening ways.

- Suggest:

- Offering suggestions is the last vital rung in supporting each other in developing understanding. Giving suggestions for solving the problems we identified during the Offer Concerns step can help the other person use the feedback to make improvements. Of course, there is no guarantee that they *will* use the suggestions, nor need there be one. Suggestions are just that--suggestions--not mandates.

Bump it Up Wall

[https://www.youtube.com/watch?v=W81OH\\_p0Suk](https://www.youtube.com/watch?v=W81OH_p0Suk)

Socrative

<https://b.socrative.com/teacher/#edit-quiz/9897369>  
Martin Pluss <martinpluss@gmail.com>

# CUBE for response building David Proctor

- Circle the key term/content verb
- Underline words which are important to the topic
- Box important information e.g. plurals, additions or exclusions, locations
- Elaborate on the key ideas of each concept identified / Evidence

**Describe**

Provide characteristics and features

Names and Numbers

**Sociocultural Factors**

Tradition, Changing lifestyle, Labour participation rates

People focused factors

**Economic Activity**

Tourism, Viticulture (e.g.s)

Anything that makes money right?

Affected = a change has occurred

(d) Describe how sociocultural factors have affected this economic activity.

5

**How and Why** are terms used in the definition for the Key Word (verb)  
Explain

Relate cause and effect; make the relationships between things evident; provide why and/or how

**S (Bossy S)**

Indicates Plural and a depth of knowledge needed in response

**Have and 'ed (affected)**

The tense of these words limit the response to the contemporary changes and exclude you from referring to future changes to the economic activity

**Activity**

This is a key word from the syllabus and an exclusion, you **MUST** refer to the global activity and not the local enterprise



## Question 24 (d)

|          | Criteria                                                                                                                          | Marks |
|----------|-----------------------------------------------------------------------------------------------------------------------------------|-------|
| Explain  | <ul style="list-style-type: none"> <li>Clearly describes how sociocultural factors have affected the economic activity</li> </ul> | 5     |
|          | <ul style="list-style-type: none"> <li>Outlines how sociocultural factors have affected the economic activity</li> </ul>          | 4     |
|          | <ul style="list-style-type: none"> <li>Identifies relevant sociocultural factors</li> </ul>                                       | 3     |
|          | <ul style="list-style-type: none"> <li>Outlines how a sociocultural factor has affected the economic activity</li> </ul>          |       |
| Describe | <ul style="list-style-type: none"> <li>Identifies relevant sociocultural factors</li> </ul> OR                                    | 2     |
| Outline  | <ul style="list-style-type: none"> <li>Outlines a relevant sociocultural factor</li> </ul>                                        |       |
| Identify | <ul style="list-style-type: none"> <li>Makes a general statement about sociocultural factors or the economic activity</li> </ul>  | 1     |

If your students don't meet the **(HIDDEN)** Key Term /Directive verb of Explain they may not achieve a mark above 2 out of 5 as they are not meeting the question's requirements

*Sample answer:*

The economic activity of tourism is affected by the sociocultural factors of increased leisure time, increased life expectancy and a desire to visit historical places with important cultural history.

With greater leisure time and the ability to take short-break holidays eg four days, people are enjoying more travelling experiences to places such as the Emerald and North Coasts of NSW. A desire to visit historically significant destinations such as the UK has resulted in greater visitor numbers, boosting overseas tourism. Numbers of Chinese tourists to Australia are increasing due to our proximity to China, the increasing wealth of its citizens and their desire to experience our culture.

*Sample answer:*

The economic activity of tourism is affected by the sociocultural factors of increased leisure time, increased life expectancy and a desire to visit historical places with important cultural history.

With greater leisure time and the ability to take short-break holidays eg four days, people are enjoying more travelling experiences to places such as the Emerald and North Coast of NSW. A desire to visit historically significant destinations such as the UK has resulted in greater visitor numbers, boosting overseas tourism. Numbers of Chinese tourists to Australia are increasing due to our proximity to China, the increasing wealth of its citizens and their desire to experience our culture.