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DNT

Revision Content Part 3

Miss Bet

Outline

1. Syllabus Outcomes
2. Practice past HSC multiple choice questions.
3. Fun Activity (student's decision)
4. Class Activity: explain the structure and annotate the Trial HSC extended response collectively.
5. Attempt Trial HSC extended response (homework)



Syllabus Outcomes

This revision lesson directly guides students in achieving several syllabus outcomes. Including P1.1 (as seen highlighted below).

Objectives Students will develop:	Preliminary Outcomes A student:	HSC Outcomes A student:
1. knowledge and understanding about design theory and design processes in a range of contexts	P1.1 examines design theory and practice, and considers the factors affecting designing and producing in design projects	H1.1 critically analyses the factors affecting design and the development and success of design projects H1.2 relates the practices and processes of designers and producers to the major design project

2020 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: READ THE QUESTION CAREFULLY

A designer has developed an energy-efficient battery-powered home appliance.
Which of the following is most likely to contribute to the success of the appliance?

- A. Attractive design features
- B. Convenience of portable appliances
- C. Growing social trend to use innovative products
- D. Increased demands on time in managing household chores



2020 HSC

Multiple Choice Questions

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- C. Growing social trend to use innovative products
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2018 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: READ THE QUESTION CAREFULLY

An innovative gardening tool which helps the elderly plant seeds has been designed. The designer has developed some initial drawings and sketches and has created a company to produce the tool.

What will the designer need to do to protect the initial ideas?

- A. Apply for a patent
- B. Trademark the name
- C. Register the business
- D. Contact Standards Australia



2018 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: READ THE QUESTION CAREFULLY

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B. Trademark the name

C. Register the business

D. Contact Standards Australia

PATENT DEFINE:

"A patent is an exclusive right granted for an invention."



2016 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: READ THE QUESTION CAREFULLY

A manufacturer wishes to decrease the long-term environmental impact of the washing machine it produces.

Which of the following strategies would be the most effective?

- A. Replace plastic parts with metal where possible
- B. Reduce the power and water usage requirements
- C. Reduce the size of the washing bowl and detergent container
- D. Manufacture the washing machine using only new technologies



2016 HSC

Multiple Choice Questions

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2014 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: **READ** THE QUESTION CAREFULLY

Which work health and safety (WHS) consideration should be taken into account during the manufacturing stage of a product?

- A. A survey of past employee injuries
- B. Periodic maintenance of machinery and tools
- C. Identification, assessment and control of risks and hazards
- D. Assessment of risks and hazards identified in the use of the final product



2014 HSC


Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: READ THE QUESTION CAREFULLY

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- C. Identification, assessment and control of risks and hazards**
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A stylized illustration on the left side of the page. It features a large, glowing yellow lightbulb with a brown filament. A hand with brown fingers is holding the base of the lightbulb. To the right of the hand is a brown coffee bean. Several short, brown, diagonal lines are scattered around the lightbulb, suggesting light or movement. The background is a mix of white, light gray, and dark blue geometric shapes.

2012 HSC

Multiple Choice Questions

SELECT THE MOST APPROPRIATE ANSWER: **READ** THE QUESTION CAREFULLY

A designer has been commissioned to design a new hot-drink dispensing system and needs to identify suitable materials for the cups.

What is the best course of action for evaluating the most suitable materials for these cups?

- A. Make a working model and test the operation of the system.
- B. Invite a focus group to evaluate the range of materials that have been selected.
- C. Investigate the properties of possible materials and trial them in similar situations.
- D. Seek expert advice on the range of materials available and use those that have been recommended.

2012 HSC

Multiple Choice Questions

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Fun Activity – Student's Decision

A

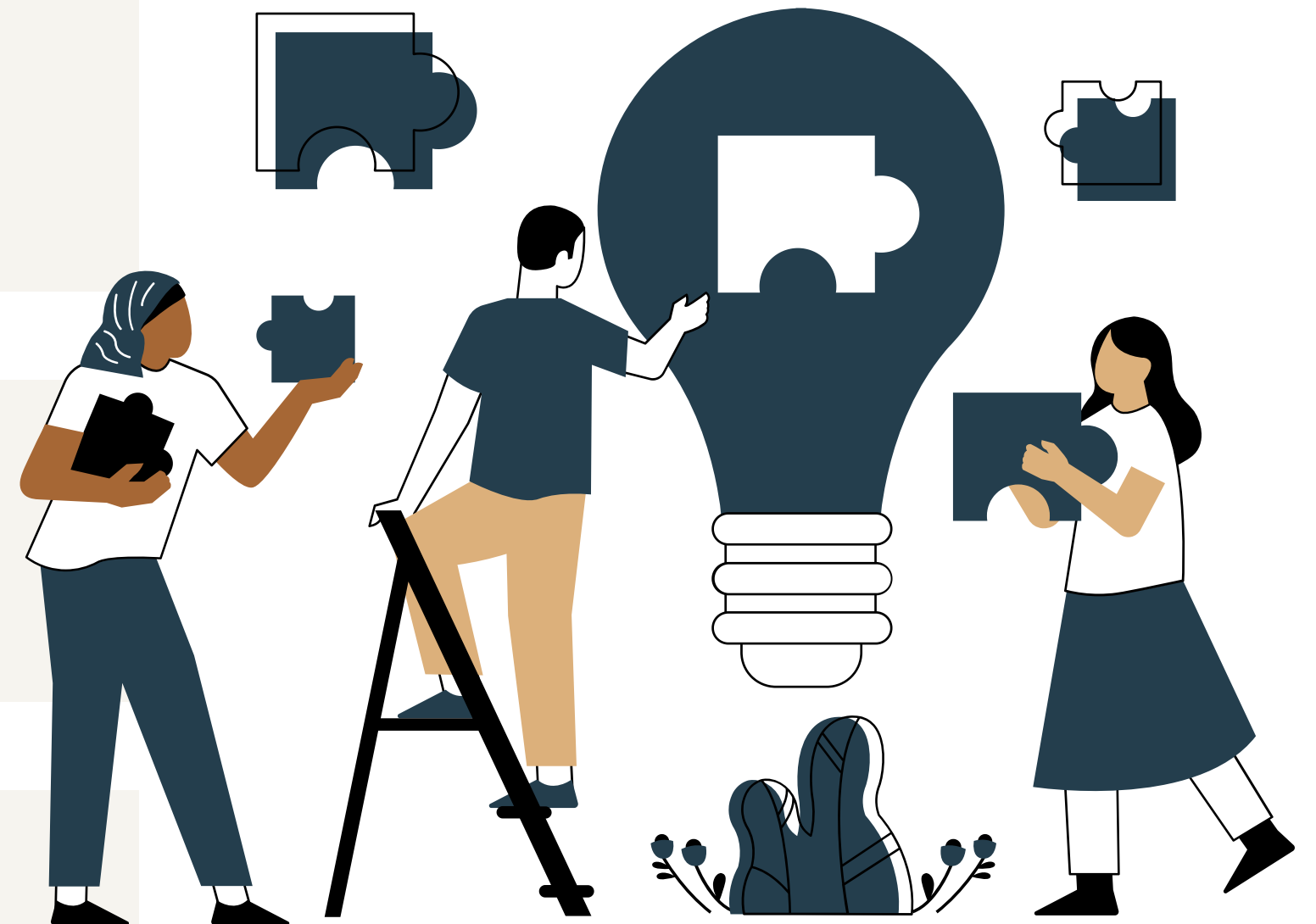
Kahoot - Repeat from last week

B

Quizlet - Test key terminology

C

Practice Writing - Annotate short answer Q's





A

Kahoot - Repeat from last week

MULTIPLE CHOICE

- Be sure to **read the FULL QUESTION**
- Use the **process of Elimination**, what questions are most certainly not correct?
- Always **reflect on if the question** is the most correct, some may trick you!

Kahoot

Link to [Kahoot](#)

30 multiple choice questions selected from the 2015 to 2022 past HSC papers.

B

Quizlet - Test key terminology

MULTIPLE CHOICE

- Be sure to **read the FULL QUESTION**
- Use the **process of Elimination**, what questions are most certainly not correct?
- Always **reflect on if the question** is the most correct, some may trick you!

Quizlet

Click [here](#) OR

Copy the Link below:

https://quizlet.com/_a5v117?x=1jq&t=i=56jd2l.



SHORT ANSWER

- Read and Breakdown the Question-Complete ttv.
- Think of the syllabus dot point it related to.
- follow STEC structure
- Confused? Never have a non-attempt!

**TTV
STEPS**

1. **CIRCLE** THE NESA KEY TERM
2. **UNDER LINE** THE KEY TOPIC (SYLLABUS LINK?)
3. **SQUIGGLE** THE CAUSAL VERB-THIS IS YOUR 'C'

Question 13 (4 marks)

Two drink bottles are shown.



Discuss the long-term environmental impacts of either drink bottle.

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Question 13

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates a comprehensive understanding of long-term environmental impacts • Provides points for and/or against 	4
<ul style="list-style-type: none"> • Demonstrates a sound understanding of long-term environmental impacts • Points for and/or against 	3
<ul style="list-style-type: none"> • Outlines an environmental impact 	2
<ul style="list-style-type: none"> • Provides relevant information 	1

EXTENDED RESPONSE STRUCTURE

1 Attack/Breakdown the question

2 Plan your response

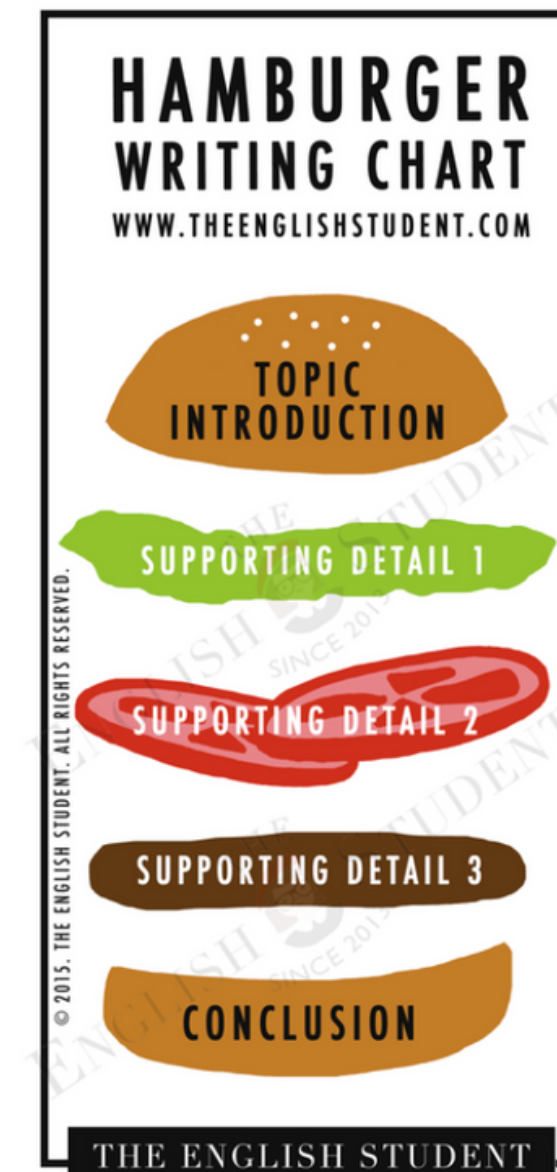
3 IDEAL (use metalanguage, modality, link to the question)



EXTENDED RESPONSE STRUCTURE - IDEAL

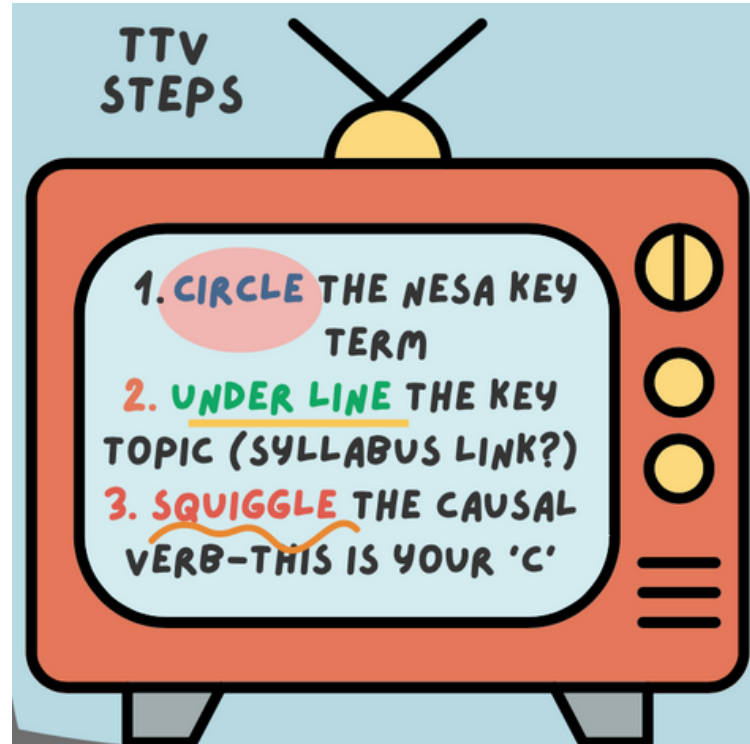
I	Introductory Sentence
D	Provide detailed information - Use Metalinguage (words that relate to this topic)
E	Example - Link to industry, think back to class practicals, videos we have watched, activities/experiments we have completed etc.
A	Analysis - tell me why, how, the consequences etc. As a consequence... This demonstrates the... This was/is important because... This was/is significant because...
L	Link back to the question and address it.

I-D-E-A-L



Class Activity: Annotate Trial HSC Questions

Annotate the Question



EXTENDED RESPONSE

- Breakdown the Question
- Pick the syllabus dot point
- Make a plan/structure
- Quickly note down key points/words/examples to assist yourself
- Structure paragraphs-**STEC** with intention
- Always link back to the question

Section III

15 marks

Attempt Question 12

Allow about 40 minutes for this section

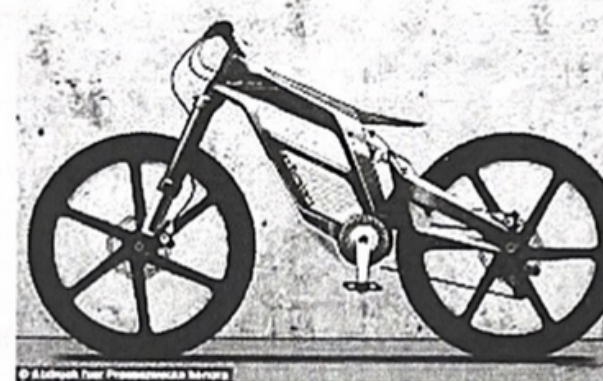
Answer the question on your own paper, or writing booklet if provided.

Expected length of response is *approximately* 600 words or four written pages.

Question 12 (15 marks)

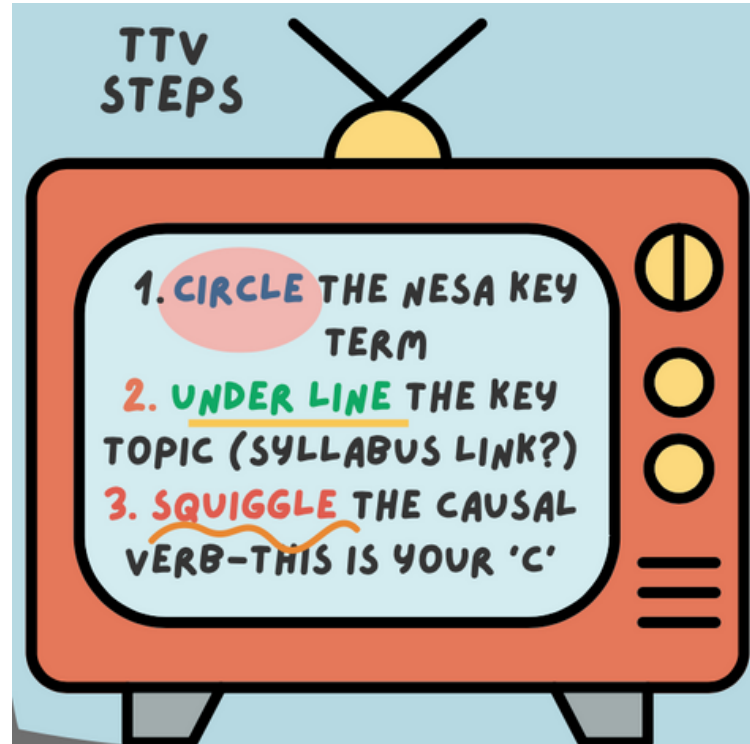
Marks

Examine the two bicycles pictured below.



Analyse how current social and technological trends have influenced the design and production of these bicycles.

Class Activity: Annotate Trial HSC Questions



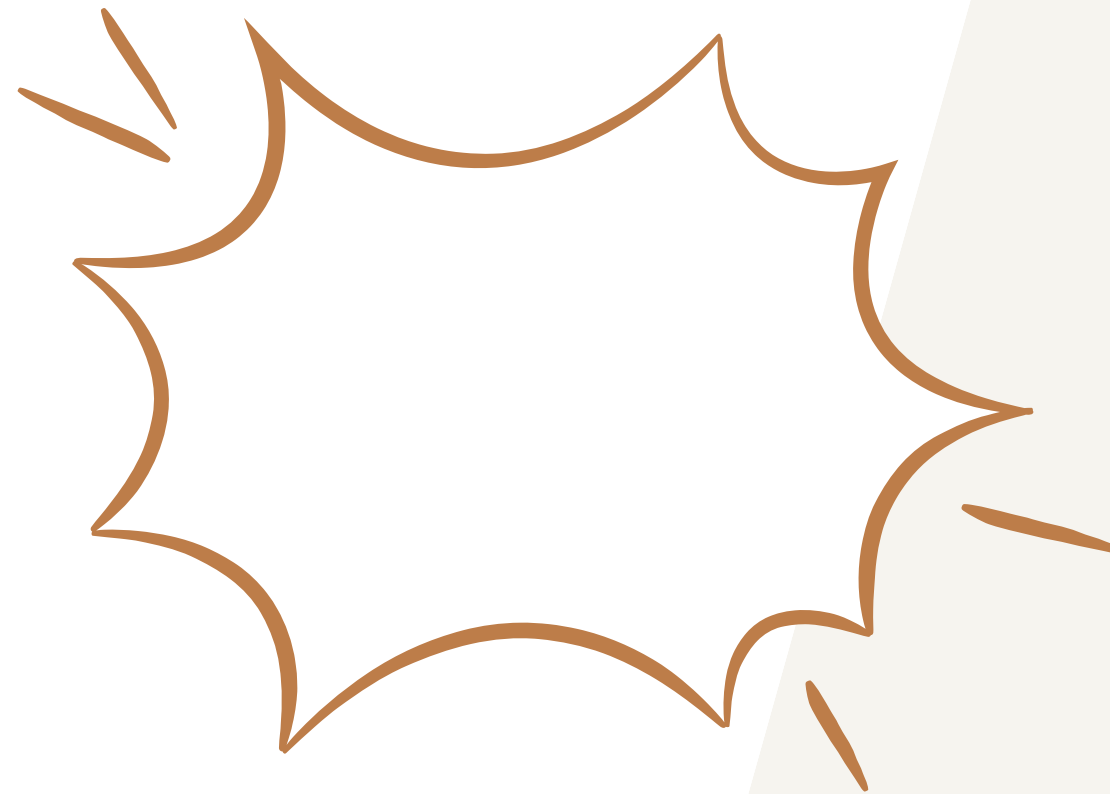
EXTENDED RESPONSE

- Breakdown the Question
- Pick the syllabus dot point
- Make a plan/structure
Quickly note down key points/words/examples to assist yourself
- Structure paragraphs-
STEC with intention
- Always link back to the question

Consider the structure, key points and relevant examples required to answer this question.



This can be effectively illustrated in a BRAINSTORM - linking each component together.



Attempt Trial HSC Extended Response



HOMEWORK:
Finish questions &
email betp01@dow.catholic.edu.au for feedback
(optional but beneficial).