



Common ASSESSMENT TASK 2 NOTIFICATION – YEAR 12

Faculty: TAS	Year / Class: 12DT
Course: Year 12 Design and Technology	Class Teacher: Mr. Dong
Task Title: Innovation Case Study Weighting: 20% / Total: 20 Marks	Due Date: 10/03/2017 (Week 7, Term 1)

TASK INSTRUCTIONS & REQUIREMENTS:

Task Description:

Choose an innovation and answer the following question :

-Give an introduction to the innovation chosen using appropriate presentation techniques. State what need led to the development of this innovation, indicating limitations and possible solutions.

. Mention what resources were used in the development of the design and describe what is innovative in the design and how this is unique in the market.

. Discuss how the designer protected their intellectual property and describe the agencies involved

in the development or promotion of the innovation.

. Explain any ethical issues considered during the development of this innovation and discuss the impact this innovation had on society and environment.

. Do a life cycle analysis of the design and discuss the use of new or emerging technology in the development of this innovation.

Procedure for assessment:

Tasks Include

A case study of an innovation which addresses:

- Knowledge of innovation and emerging technologies
- Skills in researching and communicating.

Format

- Approximately 1000 words presentation using appropriate publishing software.
- Hardcopy and electronic copy (via email) required on or before the due date.
- Graphics, tables, bullet points etc may be used where appropriate to communicate research and information gathered for case study.

OUTCOMES ASSESSED:

H 2.1 – explains the influence of trends in society on design and production.

H 2.2 – evaluates the impact of design and innovation on society and the environment

H 3.1 – analyses the factors that influence innovation and the success of innovation

H 5.2 – selects and uses appropriate research methods and communication techniques.

H 6.2 – critically assesses the emergence and impact of new technologies, and the factors affecting their development.

Marking Criteria

- Selects and discusses an appropriate innovation and emerging technology.
- Shows an awareness of design theory and the factors affecting design.
- Critically assesses the impact of current and emerging technology.
- Shows skills in researching and communicating.
- Uses a wide range of research methodologies and presentation techniques
- Demonstrates a clear understanding of innovation and emerging technology and its impact on environment and society.
- Uses clear and coherent language.

<p>Band 6</p> <p>-Demonstrates a high level of understanding of design theory and the factors affecting design such as intellectual property and the agencies involved in the development of design.</p> <p>-critically analyses the factors which influence design and technological development including limitation and strength.</p> <p>-exemplifies quality design practise and is innovative in applying design theory.</p> <p>-selects from, and effectively uses a wide range of research methodologies and communication techniques.</p> <p>-critically assesses the impact of ethical, environmental and social issues of current and emerging technologies.</p>	<p>16-20</p>
<p>Band 5</p> <p>-Demonstrates a detailed understanding of design theory and the factors affecting design such as intellectual property and the agencies involved in the development of design.</p> <p>- analyses the factors which influence design and technological development including limitation and strength.</p> <p>-applies understanding of design theory to exhibit quality design practice .</p> <p>-selects from, and uses appropriately a 5range of research methodologies and communication techniques.</p> <p>- assesses the impact of ethical, environmental and social issues of current and emerging technologies.</p>	<p>12-16</p>
<p>Band 4</p> <p>-Demonstrates a sound understanding of design theory and the factors affecting design such as intellectual property and the agencies involved in the development of design.</p> <p>-Explains the factors which influence design and technological development including limitation and strength.</p> <p>- applies understanding of design theory to display good design practice.</p> <p>-selects and uses a range of research methodologies and communication techniques.</p> <p>-Demonstrates a broad knowledge and understanding of the impact of ethical,</p>	<p>8-12</p>

<p>environmental and social issues of current and emerging technologies.</p>	
<p>Band 3- - Demonstrates a basic understanding of design theory and the factors affecting design such as intellectual property and the agencies involved in the development of design. - Describes the factors which influence design and technological development including limitation and strength. - Develops and implements design ideas. - Conducts basic research methodologies and communication techniques. - Demonstrates a basic knowledge of the impact of ethical, environmental and social issues of current and emerging technologies.</p>	<p>4-8</p>
<p>Band 2 - Demonstrates a limited understanding of design theory and the factors affecting design such as intellectual property and the agencies involved in the development of design. - Identifies some factors which influence design and technological development including limitation and strength. - Implements design ideas. - selects from, and effectively uses a wide range of research methodologies and communication techniques. - Demonstrates an elementary knowledge of the impact of ethical, environmental and social issues of current and emerging technologies.</p>	<p>1-4</p>
<p>Band 1 - Unsatisfactory/ non attempt. - Failure to hand in on time</p>	<p>0</p>
<p>Teacher Feedback:</p>	