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Orange High School

Honour the Past, Create the Future

Higher School Certificate Assessment Task Cover Sheet

Student Name:

Subject: Industrial Technology – Metal & Timber

Year: 11

Teacher: Mr. D Boundy & Mr. Hetherington

Assessment Task Number (As per Assessment Policy booklet): Task 1

Assessment Task Title: Industry Case Study

Assessment Weighting: 20%

Date Distributed: 1/03/2021

Date Due: 19/3/2020 (Friday week 8, Term 1)

All Higher School Certificate Assessment Tasks, other than in-class tasks, must be handed in at the library between 8.30am and 8.55am (before the first morning bell) on the due date. Zero marks if the Assessment Task is submitted late, unless an Illness/ Misadventure or application for extension form has been submitted

Comments by Teacher: In this task students are to complete a word-processed case study from IKEA/John Deere Mega-Factories TV program and relate the content to the Industry Study factors listed in the assessment criteria. The report should be at least 3-5 pages (approx. 900-1500 words, size 12 Calibri font) using images and pictures where needed.

Outcomes assessed: 1.1, 1.2, 3.2, 5.1, 6.2, 7.1

Assessment Criteria/Marking Rubric:

Higher School Certificate Assessment Submission Receipt

Student's Name:

Student's Signature

Assessment Task Title:

Subject Name:

Class Teacher:

Date:

This form is located: www.orange-h.schools.nsw.edu.au and then to the assessment tab



Orange High School

Stage 6 - Preliminary

Subject: Industrial Technology – Metal & Timber

Task 1: Industry Study Report

Assessment Outline: Industrial Technology encompasses the study of an organisation and management of an individual business within the chosen focus area. In this assessment a student will familiarise themselves with the structure of the Metal or Timber industry covering Structural and Technical focus areas. In this task students are to complete a word-processed report from the relevant Mega-Factories TV program on IKEA and John Deere and independent research. The report needs to relate the content to the Industry Study factors listed in the assessment criteria. The report should be at least 3-5 pages (approx. 900-1500 words, size 12 Calibri font) using images and pictures where needed.

Teachers: Mr. D Boundy & Mr. A Hetherington

Weighting: 20%

Date handed out: Term 1, Week 6, 1/3/2021

Due Date: Term 1, Week 8, Friday 19/3/2021 (9am)

Outcomes assessed:

- 1.1 – describes the organization and management of an individual business within the focus area industry
- 1.2 – identifies appropriate equipment, production and manufacturing techniques, including new and developing technologies.
- 3.2 – applies research and problem-solving skills
- 5.1 – uses communication and information processing skills
- 6.2 – identifies the characteristics of quality and quality control
- 7.1 – identifies the impact of one related industry on the social and physical environment.

Non-Completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or head teacher on your return to school. Documentation will be required in both cases.

FAILURE TO FOLLOW THE ABOVE PROCEDURES MAY RESULT IN A ZERO AWARD.

Plagiarism & Referencing

PLEASE NOTE: that plagiarism, the using of the work of other without acknowledgement, will incur serious penalties and may result in zero award, in addition, correct referencing procedures are to be adhered to and as directed by your teacher. Any cheating will also incur penalty.

Industry Study Report

Assessment Weighting Guidelines

This report will be assessed out of **35** marks. This will then be graded to the Preliminary assessment weighting of **20%**.

Part 1: STRUCTURAL FACTORS –15 MARKS

In this part you need to focus on the Industry Study section “Structural Factors” you have studied in class:

1. Organisation & Structure
2. Production, efficiency and quality control
3. Workplace Environment.
4. Marketing and sales

You need to relate the areas identified and discuss these in relation to the IKEA/John Deere DVD. You need to identify and display how IKEA’S/John Deere’s company is organised, (using a business flowchart to demonstrate the company/Plant structure). Explain production in relation to how they structure the making of some of their products. Explain how they manage efficiency and quality control. Identify the marketing and sales strategies they employ.

Part 2: TECHNICAL FACTORS - 15 MARKS

IKEA/John Deere is an advanced state of the art business that uses many different methods of Technical equipment and processes. When watching the DVD you would have noticed various machines and Technical processes that were used such as automation, mechanisation, emerging technologies and mass Production. Identify and describe each Technical factor and then list and evaluate the technical factor processes, machinery and equipment that you observe during the program. Explain the benefit of these processes and what impact have they had on the efficiency and viability of IKEA/ John Deere.

The following stages of the Technical factor area of study are to be investigated:

1. Tools, Equipment & Plant
2. Automation
3. Mass Production
4. Specialisation & Mechanisation
5. New & Emerging technologies.

Part 3: REPORT FORMAT – 5 MARKS

You are to present your report word-processed (Word, Pages, Docs etc.) including a title and contents page stapled together in a plastic sleeve (not a folder) by the **due date with a digital copy**. If later than due date you need to follow the correct school assessment policy procedures.

Use the following Folio Formatting requirements:

1. Title Page – Clearly describes what report is about
2. Table of Contents – List of major/minor sections of the report
3. Introduction – Background information, the aim /purpose of the report. Outlines sections in body of report.
4. Main Body – Organised into section, what was investigated, what was found, interpretation of findings.
5. Conclusion – Summary, significance of finding/interpretation.
6. Appendices – Any information not included in body of report

HINTS FOR REPORT LAYOUT

- Use white space to declutter pages,
- Ensure the separate parts of your report stand out clearly,
- Use short informative headings and subheadings,
- Use BOLD type to draw attention to a heading,
- Allow generous spacing between report elements,
- Use dot points, numbers, letters to articulate elements,
- Use table, graphs, figures, illustrations, maps for clarification,
- Number each pages in a footer,
- Use consistent appropriate formatting,
- Use formal language,
- Spell/grammar check,
- Proof read to ensure accuracy.

MARKING CRITERIA – PART 1 STRUCTURAL FACTORS

| Mark | Marking Criteria |
|-------|--|
| 13-15 | Expert identification and diagram of the company structure exhibited through a flow chart indicating a large range of positions Expert explanation of the strategies and ideas used by IKEA/John Deere for marketing and sales. Expert discussion of how IKEA/John Deere structure the production of their products, how they improve their efficiency and test for quality control, using several examples from research and the DVD. |
| 10-12 | High level of ability in identifying and use of a diagram of the company structure exhibited through a flow chart indicating a range of positions High level of ability in explanation of the strategies and ideas used by IKEA/John Deere for marketing and sales. High level of ability in discussing how IKEA/John Deere structure the production of their products, how they improve their efficiency and test for quality control, using some examples. |
| 7-9 | Competent identification and diagram of the company structure exhibited through a flow chart indicating most positions Competent explanation of the strategies and ideas used by IKEA/John Deere for marketing and sales. Competent discussion of how IKEA/John Deere structure the production of their products, how they improve their efficiency and test for quality control, providing an example of each. |
| 4-6 | Basic identification of most positions within the company Basic identification of some strategies used by IKEA/John Deere for marketing and sales. Basic discussion of how IKEA/John Deere structure the production of their products, how they improve their efficiency and test for quality control, basic examples used for some. |
| 0-3 | limited or no identification of positions within the company Limited or no identification of strategies used by IKEA/John Deere for marketing and sales. Limited or no discussion of how IKEA/John Deere structure the production of their products, how they improve their efficiency and test for quality control, no examples. |

MARKING CRITERIA – PART 2 TECHNICAL FACTORS

| Mark | Marking Criteria |
|-------|--|
| 13-15 | Extensive list of tools, machinery and processes used by the company. Expert evaluation of Technical processes, machinery, tools and equipment used by the company. With Extensive examples. Extensive evaluation of the implantation of technical processes on the efficiency and viability of the business. With extensive examples |
| 10-12 | Comprehensive list of tools, machinery and processes used by the company. High level of ability in evaluating Technical processes, machinery, tools and equipment used by the company. High level of ability in evaluating of the implantation of technical processes on the efficiency and viability of the business. |
| 7-9 | Competent list of tools, machinery and processes used by the company. Competent evaluation of Technical processes, machinery, tools and equipment used by the company. With some examples. Competent evaluation of the implantation of technical processes on the efficiency and viability of the business. With some examples. |
| 4-6 | Basic list of tools, machinery and processes used by the company. Basic evaluation of Technical processes, machinery, tools and equipment used by the company. Basic or no examples Basic evaluation of the implantation of technical processes on the efficiency and viability of the business. Basic or no examples. |
| 0-3 | Limited or no list of tools, machinery and processes used by the company. Limited or no evaluation of Technical processes, machinery, tools and equipment used by the company. Limited or no evaluation of the implantation of technical processes on the efficiency and viability of the business. |

MARKING CRITERIA – PART 3 REPORT FORMAT

| Mark | Marking Criteria |
|------|---|
| 5 | Report is fully completed with all sections displaying an outstanding level of Word Processing skills. |
| 4 | Report is majority or fully completed with all sections displaying a high level of Word Processing skills. |
| 3 | Report is partially completed with all sections displaying a sound level of Word Processing skills. |
| 0-2 | Report displays minimal level of effort and does not display a level of Word Processing skills that could be identified as satisfactory or competent. |

| Structural Factors | |
|--------------------------|--|
| Organisation & structure | What is management structure? |
| Marketing & Sales | What do they do to promote and sell their products? |
| Production | What has to happen before their products are made? What process do they use to product their products? What do they do for quality control? |
| Workplace Environment | What is the work environment like? |

| Technical Factors | |
|----------------------------------|--|
| Tools, equipment and plant | |
| Automation | Are they using automation to create their products? How? |
| Mass production | Do they mass produce? How do they do this? |
| Specialisation and mechanisation | Do they specialize in one product or do they diversify? Do they employ mechanisation? |
| New and emerging technologies | What new/emerging technologies are they using? |

