

Year 12 2024
INDUSTRIAL TECHNOLOGY
M Van Doesburg



Task Number: 2
Weight: 20%

Notification Date: 27/03/2024
Due Date: 10/05/2024 to Mr Van Doesburg by 3.20pm

OUTCOMES ASSESSED

H1.1, investigates industry through the study of businesses in one focus area.
 H1.2, identifies appropriate equipment, production and manufacturing techniques and describes the impact of new and developing technologies in industry
 H1.3, identifies important historical developments in the focus area industry
 H7.1, explains the impact of the focus area industry on the social and physical environment
 H7.2, analyses the impact of existing, new and emerging technologies of the focus industry on society and the environment

TASK DESCRIPTION

Presentation of Research
Industry Study

TASK INSTRUCTIONS

You are required to study the operations of an industry so that you can gain an understanding of the following:

- | | | |
|--|------------------------------|-----------------|
| • Structural Factors | <i>(Outcomes H1.1, H7.2)</i> | 20 Marks |
| • Technical Factors | <i>(Outcomes H1.2, H7.2)</i> | 20 Marks |
| • Environmental and Sociological Factors | <i>(Outcome H1.3, H7.1)</i> | 20 Marks |
| • Personnel Issues | <i>(Outcome H1.1)</i> | 20 Marks |
| • WH&S | <i>(Outcome H1.2)</i> | 20 Marks |

Refer to the handout titled
'INDUSTRY STUDY AND RELEVANT THEORY'.

Questions from this study will need to be completed.

Teacher's signature: _____

Head Teacher Admin's signature _____

Deputy Principal's signature _____

Criteria for assessment and marking/rubric:

Structural Factors	Outcomes H1.1 & H7.2	Mark
The student has demonstrated an extensive understanding of the structural factors of the focus industry The student produces an extensively detailed flow chart, using all the correct symbols and also includes all the levels of management Explains in detail the methods of marketing a company uses, provides several relevant examples and explains why these are used. The student describes in detail the different products (2-3) the company produces. Includes pictures with extensive annotations		17 - 20
The student has demonstrated a thorough understanding of the structural factors of the focus industry The student produces a thoroughly detailed flow chart, using correct symbols and also includes the levels of management Clearly explains the methods of marketing the company uses and provides several relevant examples outlining why they are used The student describes in some detail the different products (2-3) the company produces. Includes pictures with thorough annotations		12 - 16
The student has demonstrated a sound understanding of the structural factors of the focus industry The student produces a sound flow chart, using some correct symbols and also includes some of the levels of management Outline the methods of marketing the company uses and provides examples The student describes the different products (2 or less) the company produces. Includes pictures with sound annotations		8 - 11
The student has demonstrated a basic understanding of the structural factors of the focus industry The student produces basic detailed flow chart, using little or none of the correct symbols and also includes some or none of the levels of management Outline the methods of marketing the company uses The student describes the different products (2 or less) the company produces. Includes little or no pictures with poor or no annotations		3 - 7
The student has demonstrated a very limited understanding of the structural factors of the focus industry The student produces very limited flow chart, using little or none of the correct symbols and also includes some or none of the levels of management Lists a method of marketing the company uses The student describes the different products (1 or less) the company produces. Includes little or no pictures with very limited or no annotations		1 - 2
Non-attempt or does not meet required outcomes		0

Technical Factors	Outcomes H1.2 & H7.2	Mark
Demonstrates an extensive understanding of Quality and Quality Control through the description of quality and through the importance of quality control to a business. Explains in detail how the selected manufacturer controls the quality of goods and services and provides a comprehensive list of the factors that contribute to the quality of products manufactured within the company.		17 - 20
Demonstrates a clear understanding of Quality and Quality Control through the description of quality and through the importance of quality control to a business. Explains in some detail how the selected manufacturer controls the quality of goods and services and provides a well-considered list of the factors that contribute to the quality of products manufactured within the company.		12 - 16
Demonstrates a satisfactory understanding of Quality and Quality Control through the description of quality and through the importance of quality control to a business. Explains in limited detail how the selected manufacturer controls the quality of goods and services and provides an adequate list of the factors that contribute to the quality of products manufactured within the company.		8 - 11
Demonstrates a limited understanding of Quality and Quality Control through the description of quality and through the importance of quality control to a business. Provides a basic explanation of how the selected manufacturer controls the quality of goods and services and provides a list of few factors that contribute to the quality of products manufactured within the company.		3 - 7
Demonstrates poor knowledge of Quality and Quality Control with little or no work provided.		1 - 2
Non-attempt or does not meet required outcomes		0

Environmental and Sociological Factors	Outcome H1.3 & H7.1	Mark
Expert Identification and explanation of their sociological impact discussing what is done at this level to improve manufacturing standards. Expert analysis and discussion of environmental concerns including sustainability, recycling, waste management, legislative requirements and location.		17 - 20
Highly level of ability in identification and explanation of their sociological impact discussing what is done at this level to improve manufacturing standards. High level of ability in analysing and discussing the environmental concerns including sustainability, recycling, waste management, legislative requirements and location.		12 - 16
Competent identification and explanation of the sociological impact discussing what is done at this level to improve manufacturing standards. Competent analysis and discussion of environmental concerns.		8 - 11
Basic identification and explanation of their sociological impact discussing what is done at this level to improve manufacturing standards. Basic analysis and discussion of environmental concerns.		3 - 7
Limited identification of their sociological impact discussing what is done at this level to improve manufacturing standards. Limited discussion of environmental concerns.		1 - 2
Non-attempt or does not meet required outcomes		0

Personnel Issues	Outcome H1.1	Mark
Expert Identification and explanation of personnel issues in industry. Expert analysis and discussion of the impact of EEOs, unions and employment contracts. Expert discussion of industry training opportunities and responsibilities, including detailed discussion.		17 - 20
Highly level of ability in identification and explanation of personnel issues in industry. High level of ability in analysing and discussing the impact of EEOs, unions and employment contracts. High level analysis and discussion of industry training opportunities and responsibilities, including detailed discussion.		12 - 16
Competent Identification and explanation of personnel issues in industry. Competent analysis and discussion of the impact of EEOs, unions and employment contracts. Competent discussion of industry training opportunities and responsibilities, including detailed discussion.		8 - 11
Basic Identification and explanation of personnel issues in industry. Basic analysis and discussion of the impact of EEOs, unions and employment contracts. Basic discussion of industry training opportunities and responsibilities.		3 - 7
Limited Identification and explanation of personnel issues in industry. Limited analysis and discussion of the impact of EEOs, unions and employment contracts. Limited discussion of industry training opportunities and responsibilities.		1 - 2
Non-attempt or does not meet required outcomes		0

WH&S	Outcome H1.2	Mark
Expert discussion of the importance of WHS in industry. Expert identification and analysis of government legislation and requirements for ensuring that safe workenvironments are provided. Expert discussion on the importance of risk assessment, safety training and provides examples of WHScommunication.		17 - 20
High level discussion of the importance of WHS in industry. High level identification and analysis of government legislation and requirements for ensuring that safe workenvironments are provided. High level discussion on the importance of risk assessment, safety training and provides an example of WHS communication.		12 - 16
Competent discussion of the importance of WHS in industry. Competent identification and analysis of government legislation and requirements for ensuring that safe workenvironments are provided. Competent discussion on the importance of risk assessment, safety training and provides an example of WHS communication.		8 - 11
Basic discussion of the importance of WHS in industry. Basic identification and analysis of government legislation and requirements for ensuring that safe workenvironments are provided. Basic discussion on the importance of risk assessment, safety training and provides an example of WHS communication.		3 - 7
Limited discussion of the importance of WHS in industry. Limited identification and analysis of government legislation and requirements for ensuring that safe workenvironments are provided. Limited discussion on the importance of risk assessment, safety training and provides an example of WHS communication.		1 - 2
Non-attempt or does not meet required outcomes		0

Teacher's signature: _____ Date: _____

Task Feedback:

Task Mark	Task Rank	Cumulative Rank