Industrial Technology Year 10 - Marking Criteria

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Design and Management** | **20 –17** | **16 – 13** | **12 – 9** | **8- 5** | **4 - 1** |
| **Statement of Intent** | Clarifies the intent of the major project by explaining clearly what is to be achieved and why | Clarifies the intent of the major project by explaining what is to be achieved and why | Gives a brief description of what is to be achieved and why | Gives a brief or incomplete description of what is to be achieved | Gives an incomplete description of what is to be achieved |
| **Research** | Describes a wide range of research conducted, which is relevant to the intent of the major project | Describes research conducted, most of which is relevant to the intent of the major project | Describes research conducted, some of which is relevant to the intent of the major project | Minimal reference to appropriate research conducted | Appropriate research not evident |
| **Development of ideas** | Analyses and evaluates the development and modification of the major project design ideas | Describes the development and modification of the major project design ideas | Describes some aspects of the development and modification of the major project design ideas | Briefly describes some aspect of the development and modification of the major project design ideas | Minimal description of the development and modification of the major project design ideas |
| **Timeline plan** | Formulates a comprehensive and appropriate timeline  | Formulates an appropriate timeline plan | Proposes a basic timeline for aspects of project production | Timelines are without sufficient detail | Timelines are either not appropriate or not evident |
| **Finance Plan** | Formulates a comprehensive and appropriate finance plan | Formulates an appropriate finance plan | Proposes a finance plan for aspects of project production | Finance plans are without sufficient detail | Finance plans are either not appropriate or not evident |
| **Ongoing evaluation** | Undertakes ongoing critical evaluation throughout the development and production of the major project and the DMC documentation | Undertakes regular evaluation during the development and production of the major project and the DMC documentation | Undertakes some evaluation during the development and production of the major project and the DMC documentation | Undertakes minimal evaluation during the development and/or production of the major project and the DMC documentation | Undertakes some elementary evaluation during the development and/or production of the major project and the DMC documentation |
| **Appropriate design &/or design modification** | Assesses the relationship between the design, and modifications if applicable, materials, components and processes in the development of the major project | Includes details of the design, and modifications if applicable, materials, components and processes in the development of the major project | Lists details of the design, and modifications if applicable, materials, components and processes in the development of the major project | Lists some details of the design, materials, components and processes in the development of the major project | Minimal details of the design, materials, components and processes in the development of the major project |
| **Evaluation of the major project and its relationship to the statement of intent** | Critically evaluates the major project, in relation to the statement of intent,  | Documents the major project, and relates the major project to the statement of intent | Basic documentation of the major project with references to the statement of intent | Little evidence of documentation of the major project with reference to statement of intent | Minimal evidence of documentation of the major project with reference to the statement of intent |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Production | **40 - 33** | **32 – 25** | **24 – 17** | **16 - 9** | **8 - 1** |
| **Quality of the Product** | Demonstrates very high quality in all aspects of the major project production | Demonstrates high quality in most aspects of the major project production | Demonstrates substantial quality in most aspects of the major project production | Demonstrates basic quality in most aspects of the major project production | Demonstrates poor quality in all aspects of the major project production |
| **Evidence of a range of skills** | A highly demanding project, with evidence of high quality in the application of a wide range of skills and techniques in the planning and production of the major project | A project of substantial difficulty, with evidence of high quality in the application of most skills and techniques in the planning and production of the major project | A project of moderate difficulty, with evidence of high but inconsistent quality in the application of skills and techniques in the planning and production of the major project | A project of minimal difficulty, with evidence of basic quality in the application of skills and techniques in the planning and production of the major project  | An undemanding project, with minimal or no evidence of quality in the application of skills and techniques in the planning and development of the major project |
| **Degree of difficulty** | A highly demanding project | A project of substantial difficulty | A project of moderate difficulty | A project of minimal difficulty | An undemanding project |
| **Use of appropriate materials** | Competently applies and uses a wide range of appropriate materials in the production of the major project | Competently applies and uses appropriate materials in the production of the major project | Applies and uses a limited range of materials in the production of the major project | Applies and uses a limited range of common materials in the production of the major project | Makes inappropriate use of materials in the production of the major project |
| **Evidence of solutions to problems in production** | Demonstrates and critically evaluates how solutions to problems in major project production were addressed | Demonstrates and explains how solutions to some problems in major project production were addressed | Demonstrates solutions to some problems in major project production | Demonstrates partial solutions to some simple problems in major project production | Demonstrates inappropriate solutions to some simple problems in major project production |