

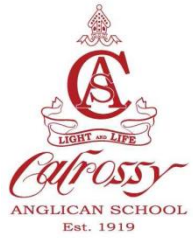
Assessment task Notification

All Students are asked to sign the teachers copy to verify this notification has been distributed at least two weeks before the task date.

Course	Stage 6 Industrial Technology HSC
Task Number	1
Due Date of Task	30 th November 2016
Nature of Task	To complete Major Project design with working drawings and CAD design and management.
Outcomes Assessed	H3.1, H3.2, H3.3, H5.1, H5.2, H6.1, H6.2,
Weighting	20%

Industrial Technology 2016-17 HSC Assessment

Task 1



This assessment task will develop your skills and knowledge in project management, project design, and communication of concepts and ideas, in preparation for production of your major project.

In order to understand and successfully complete this assessment task you will need to:

Documentation of Statement of Intent, Action/Time/Finance Plan, Design Research, Ideas, Concepts and Preliminary Sketches.

Plan the sequence of events to successfully complete the major project.

- Identify the parameters and limitations of the design brief.
- Identify the criteria for success of your major project Produce a functionally and aesthetically appropriate design product
- Justify and explain the selection and use of resources including tools, materials and techniques in your design project.
- Plan, implement and evaluate a sequence of operations for the completion of design projects.
- Use appropriate Industrial technology terminology.
- Experiment with a range of techniques and forms to visualise and communicate ideas and solutions.
- Analyse, interpret and apply research data to the development of design projects.
- Discriminate in the choice and use of computer based technology to develop, communicate and present design ideas and processes.

You are required to submit for assessment purposes:

A Folio which contains the design and management sections which includes:

DESIGN

- **The statement of Intent.**
 - Explain exactly what the major practical project is.
 - The motivation and purpose of the project.
 - The parameters and limitations of the design and the goals that you expect to achieve on completion of the project.
 - Criteria to evaluate success.
 - The possibilities of the project
- **Research**
 - Any Research carried out in the development of the project design or modifications carried out to existing plans.
- **Development of concepts and ideas**
 - Ideas generation including labelled sketches and a list of written ideas
 - Show the evolution of your design solution giving details of the development of the design.
 - The parameters and limitations of the design and goals that you expect to achieve on completion of the project.
 - Communication and presentation techniques.
- **Selection and Justification of resources**
 - A table showing possible materials, components, processes and other resources and justification as to why a resource is chosen

Management

- **Action time plan**
 - Proposed time and action plan
 - Criteria to evaluate success.
- **Finance plan**

Due Date Wednesday 30th November 2016 Weighting 20%

Assessment Task 1 Marking Scheme

Folio and Product

Criteria	Marks
<p>Folio and Product</p> <ul style="list-style-type: none"> • Identified and explains relevant issues to the design brief, following the design process. • Communicates ideas in concise, coherent and logical way • Evidence of the development of the design project being related to analysis and application of research data. • The information presented is relevant and accurate • Design sketches communicate adequate detail to evidence functional and aesthetic qualities, which are appropriate to the design project. • Presentation is user-friendly, including content, page numbers and acknowledgments. 	15-20
<p>Folio and Product</p> <ul style="list-style-type: none"> • Identifies and includes relevant issues to the design brief following the design process. • Communicates ideas in a concise manner that is generally understandable. • The information is mainly relevant and accurate. • Includes limited justification and explanation for the use of relevant resources. • Conducts some evaluation and little testing throughout the design. • Limited evidence of planning, implementing and evaluating a sequence of operations for the completion of the design project. • Design sketches communicate some detail to evidence functional and aesthetic qualities, which are appropriate to the design project. • Presentation lacks aspects to make it user-friendly. 	11-14
<p>Folio and Product</p> <ul style="list-style-type: none"> • Identify and provides limited descriptions • Communication of ideas is unclear • Some information is presented but often irrelevant and with a significant inaccuracies. • Little evidence of justifying the use of resources • Little evidence of any evaluation or testing throughout the design • Little or no evidence of planning, implementing and evaluating a sequence of operations for the completion of the design projects. • Design sketches communicate little detail to evidence functional or aesthetic qualities appropriate to the design project • Presentation is poor. 	0 - 10