



Year 11 Design and Technology Assessment Task 2: Major Project and Folio

Due Date: 28 th August 2024, Term 3 Week 6, 9:00am Mark /100	Assessment Name: Major Project and Folio Weighting 40%
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TASK DESCRIPTION:

Part A: Up-cycled Furnishing Product

Design and produce a functional upcycled furnishing piece that promotes sustainability and adds a distinctive touch to interior or exterior spaces. The design should incorporate creative upcycling techniques to transform discarded materials into a new product. The materials used should be those found at school or at home which are no longer needed (waste materials) such as cardboard, timber, plastic, recyclable rubbish (e.g., aluminium cans), etc.

Part B: Design Portfolio (Maximum Length 40 A4 Pages or 20 A3 Pages)

You will need to use digital technologies in the creation of a written portfolio to accompany your practical project. Your portfolio must demonstrate use of the design process and show how the project meets the identified need of using recyclable materials to create an up-cycled product.

This portfolio must include the following sections:

Section 1: Project Proposal and Project Management

- Identification and exploration of the need
- Areas of investigation
- Criteria to evaluate success.
- Action, time and finance plans and their application.

Section 2: Project Development and Realisation

- Evidence of creativity – ideas generation, degree of difference and exploration of existing ideas.
- Appropriate research and experimentation of materials, tools, techniques and testing of design solutions.
- Application of conclusions (Justification of final design idea)
- Identification and justification of ideas and resources used.
- Use of communication and presentation techniques
- Evidence and application of practical skills to produce a quality project.

Section 3: Evaluation

- Recording and application of evaluation procedures throughout the design project.
- Analysis and evaluation of functional and aesthetic aspects of the design.
- Relationship of the final product to the project proposal and developed success criteria.

Refer to the portfolio scaffold provided on CANVAS for further detail of the requirements of each section.

SYLLABUS OUTCOMES TO BE ASSESSED:

- P4.1** - A student uses design processes in the development and production of design solutions to meet identified needs and opportunities.
- P4.2**- A student uses resources effectively and safely in the development and production of design solutions.
- P4.3**- A student evaluates the processes and outcomes of designing and producing
- P5.1**- A student uses a variety of management techniques and tools to develop design projects.
- P5.2**- A student communicates ideas and solutions using a range of techniques.
- P5.3** - A student uses a variety of research methods to inform the development and modification of design ideas.
- P.6.2**- A student evaluates and uses computer based technologies in designing and producing.

DIRECTIVES TO BE ASSESSED:

Describe: Provide characteristics and features

Evaluate: Make a judgement based on criteria; determine the value of

Explain: Relate cause and effect; make the relationships between things evident; provide why and/or how

Identify: Recognise and name

Justify: Support an argument or conclusion

STUDENT CHECKLIST-**Have you:**

- Produced an upcycled furnishing product.

Completed each of the following sections in your portfolio using the Scaffold.**Section 1: Project Proposal and Project Management**

- Identification and exploration of the need
- Areas of investigation
- Criteria to evaluate success.
- Action, time and finance plans and their application

Section 2: Project Development and Realisation

- Evidence of creativity – ideas generation, degree of difference and exploration of existing ideas
- Appropriate research and experimentation of materials, tools, techniques and testing of design solutions.
- Application of conclusions (Justification of final design idea)
- Identification and justification of ideas and resources used.
- Use of communication and presentation techniques
- Evidence and application of practical skills to produce a quality project.

Section 3: Evaluation

- Recording and application of evaluation procedures throughout the design project
- Analysis and evaluation of functional and aesthetic aspects of design
- Relationship of the final product to the project proposal and success criteria.

Marking Criteria

P4.1 - A student uses design processes in the development and production of design solutions to meet identified needs and opportunities.	Marks
<ul style="list-style-type: none"> • Identifies and provides a detailed exploration of genuine needs and opportunities, justifying final selection for the development of the design project. • Describes relevant areas of investigation which relate clearly to the need and provides direction for further action. • Establishes and analyses appropriate criteria to evaluate the success of the design project. 	<p>Outstanding</p> <p>A</p>
<ul style="list-style-type: none"> • Identifies and provides an exploration of needs and opportunities, in relation to the development of the design project. • Describes some relevant areas of investigation in relation to the need and provides evidence that these were investigated. • Describes appropriate criteria to evaluate the success of the design project with little analysis of these criteria. 	<p>High</p> <p>B</p>
<ul style="list-style-type: none"> • States a need with some exploration in relation to the development of the design project. • Identifies areas of investigation in relation to the need or shows evidence of being investigated. • Briefly describes criteria to evaluate the success of the design project., with no analysis of these criteria. 	<p>Sound</p> <p>C</p>
<ul style="list-style-type: none"> • States a need with basic exploration in relation to the development of the design project. • Lists areas of investigation in relation to the need which may not relate to further action, or shows evidence of areas being investigated. • Briefly describes criteria, some of which may be inappropriate to evaluate the success of the design project. 	<p>Basic</p> <p>D</p>
<ul style="list-style-type: none"> • Need stated without clarity, nor explored in relation to the development of the design project. • Names an area of investigation. • Lists criteria, some of which may be inappropriate to evaluate the success of the design project. • Presents incomplete sections. 	<p>Limited</p> <p>E</p>

P4.3- A student evaluates the processes and outcomes of designing and producing	Marks
<ul style="list-style-type: none"> • Critically evaluates aspects of the design project throughout its entire development. • Analyses and critically evaluates the functional and aesthetic aspects of the design project. • Analyses the relationship of the design project to the criteria for success identified in the project proposal 	Outstanding A
<ul style="list-style-type: none"> • Evaluates some aspects of the design project throughout its entire development. • Explains the functional and aesthetic aspects of the design project. • Compares the relationship of the design project to the criteria for success identified in the project proposal 	High B
<ul style="list-style-type: none"> • Judges the success of some aspects of the design project through stages of its development. • Describes some functional and/or aesthetic aspects of the design project. • Checks the design project against the criteria for success identified in the project proposal, with little or no explanation 	Sound C
<ul style="list-style-type: none"> • Describes, with little justification, the success of several aspects of the PSE or exhibits evaluation in the design projects development. • Describes a functional and/or aesthetic aspect of the design project. • Checks the design project against some of the criteria for success identified in the project proposal, without explanation 	Basic D
<ul style="list-style-type: none"> • Describes, without justification, the success of an aspect of the design project. or provides some evidence of evaluation in the PSE's development. • Names a functional or aesthetic aspect of the design project • Does not clearly relate the PSE to the criteria for success identified in the project proposal. • Presents incomplete sections. 	Limited E

P5.1- A student uses a variety of management techniques and tools to develop design projects.	Marks
<ul style="list-style-type: none"> • Formulates and evaluates well-documented action, time and finance plans with clear evidence of their application to the design project. 	Outstanding A
<ul style="list-style-type: none"> • Formulates action, time and finance plans, and shows some evidence of their application to the design project. 	High B
<ul style="list-style-type: none"> • Formulates and applies action and/or time and/or finance plans 	Sound C
<ul style="list-style-type: none"> • Some evidence of the application of action, time or finance planning. 	Basic D
<ul style="list-style-type: none"> • Action, time or finance planning not evident 	Limited E

P5.2- A student communicates ideas and solutions using a range of techniques.	Marks
P.6.2- A student evaluates and uses computer based technologies in designing and producing.	
<ul style="list-style-type: none"> • Succinctly demonstrates a range of appropriate quality communication and presentation techniques. 	Outstanding A
<ul style="list-style-type: none"> • Demonstrates varied and appropriate communication and presentation techniques in a concise manner. 	High B
<ul style="list-style-type: none"> • Demonstrates appropriate communication and presentation techniques. 	Sound C
<ul style="list-style-type: none"> • Demonstrates a basic range of communication and presentation techniques 	Basic D
<ul style="list-style-type: none"> • Demonstrates a limited range of communication and presentation techniques. 	Limited E

P5.3 - A student uses a variety of research methods to inform the development and modification of design ideas.	Marks
<ul style="list-style-type: none"> • Undertakes, evaluates and applies a range of appropriate research experimentation and design solution testing in the development of the design project. • Applies conclusions drawn from research and experimentation and design solution testing to the design project. 	Outstanding A
<ul style="list-style-type: none"> • Undertakes, evaluates and applies appropriate research, experimentation and design solution testing in the development of the design project. • Demonstrates some application of conclusions drawn from the research and experimentation and/or design solution testing to the design project. 	High B
<ul style="list-style-type: none"> • Undertakes, evaluates and applies some appropriate research, experimentation and/or design solution testing in the development of the design project. • Demonstrates some selective application of conclusions drawn from research and/or experimentation and/or design solution testing 	Sound C
<ul style="list-style-type: none"> • Evaluates and/or applies limited appropriate research and/or experimentation and/or design solution testing • Demonstrates limited application of conclusions drawn from research and/or experimentation and/or design solution testing 	Basic D
<ul style="list-style-type: none"> • Minimal evidence of appropriate research and/or experimentation and/or design solution testing • Demonstrates minimal application of conclusions drawn from research and/or experimentation and/or design solution testing 	Limited E

Check your assessment booklet for the PHS Assessment Policy