



SAMPLE ASSESSMENT TASKS

DESIGN
GENERAL YEAR 11

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Sample assessment task

Design – General Year 11

Task 8 – Unit 2

Assessment type: Production

Conditions

Period allowed for completion of the task: 12 weeks

Due: Semester 2, Week 14

Task weighting: 25% of the school mark for this pair of units

Production portfolio for Unit 2

(33 marks)

Shipping Container Housing Project

You are to complete a 6–10 page A3 portfolio that documents the process you took to design a liveable home out of standard industrial shipping containers. The freight containers have a standard size of 12 by 2.5 metres each, and are commonly 2.6 metres tall. They are typically made of corrugated weathering steel, and have simple ‘twistlock’ corners for easy stacking, locking, and craning.

These containers are ideal for construction because they can be transported to a site in many different ways (and can carry some of the other construction materials).

The containers are not insulated and do not provide protection against heat and cold (on the inside), so this problem will need to be addressed when developing your final design solution.

You are restricted to **five** containers as a maximum; however, you can use less.

The following is a list of requirements that should make up the portfolio submission.

1. Outlining the design brief

- Develop an outline of your design brief that considers the restrictions and requirements as well as an overview of the type of family or resident you are designing for (target audience).
- Develop a number of specifications that you feel are requirements for this project. This could include, but not restricted to, the number of containers allowed, rooms required for a good layout and types of materials used.

2. Research and ideation

- Complete building layouts through paper-craft modelling using the supplied PDF models of sea containers.
- Research into current trends in container housing and how they go about insulating for weather conditions as well as materials used.
- Demonstrate internal layouts that could possibly be suitable for this building, showing good traffic flow and smart use of space.

3. Production process and methods

- Include a set of floor plans, elevations, sectional views that show the final design of your project, utilising ArchiCAD™ as the software program.
- Include a set of digital renderings or walkthroughs that showcase the final design as it would look if it was constructed.
- Include an option of completing a 3D physical model utilising materials of your choice to showcase the final design concept. This could include 3D printing, laser cutting or more traditional methods, such as foam-core sheet.

4. Presentation

- Present the project in a 6–10 page A3 portfolio.
- Use the portfolio to demonstrate implementation of the elements and principles of design to help in both the presentation of the portfolio as well as the design of the building.
- Provide evidence of correct use of codes and conventions and their relationship to architectural standards should be evident in the portfolio.

Marking key for sample assessment task 8 – Unit 2

Description	Marks
Criterion 1 : Application of Planning	
(Evidence of use of organisation and planning in the design and production processes, such as: design brief, intended audience, time management and/or production plan, mind maps, materials lists, model release forms, budget, costing quotes, surveys or others appropriate to context.)	
Demonstrates detailed and relevant planning in the design and production processes	4
Demonstrates relevant planning with some detail in the design and production processes	3
Demonstrates some relevant planning in the design and/or production processes	2
Demonstrates minimal planning in the design and production processes	1
Total	/4
Criterion 2: Application of skills, techniques, procedures	
(Evidence of competence in skills, techniques, procedures for production, such as: sketching, rendering, handling of materials, prototypes, manipulation of IT programs and quality, high resolution images.)	
Employs effectively a range of skills, techniques and/or procedures for production suited to the design brief	4
Employs, with some effect, a range of skills, techniques and/or procedures for production suited to the design brief	3
Employs some skills, techniques and/or procedures for production suited to the design brief	2
Employs a limited range of skills, techniques and/or procedures for production suited to the design brief	1
Total	/4
Criterion 3: Experimentation	
(Evidence of experimentation, choice of design solutions, such as: variety of sketched ideas, alternative options investigated, variations of ideas, colour, type, composition, experimenting with materials, media, methods, changes are significant, relevant and justified.)	
Demonstrates effective experimentation and choice of possible design solutions	4
Demonstrates experimentation with some effectiveness and choice of possible design solutions	3
Demonstrates some experimentation and choice of possible design solutions	2
Demonstrates limited experimentation and choice of possible solutions	1
Total	/4
Criterion 4: Annotations and analysis	
(Evidence of use of analysis, clear thinking and sound reasoning using design terminology, such as; notes or ideas on referenced images, annotation of processes relevant to design brief and intended audience, critical analysis of final solution, use of design terminology throughout.)	
Provides extensive annotations and detailed critical analysis of relevant information using design terminology	5
Provides detailed annotations and critical analysis of relevant information using design terminology	4
Provides clear annotations and some analysis of relevant information using design terminology	3
Provides simple annotations and/or some analysis, mainly relying on supplied information using design terminology	2
Provides minimal annotations and analysis	1
Total	/5
Criterion 5: Originality	
(Evidence of innovation and originality, such as; original designs and/or own images, exploration of unique ideas and concepts throughout the portfolio, acknowledgement of borrowed images.)	
Uses effective concepts/ideas to develop original and innovative design solution(s)	4
Uses some effective concepts/ideas to develop design solution(s) that display some originality and innovation	3
Uses concepts/ideas to develop design solution(s) with little originality and innovation	2
Uses basic concepts/ideas to develop simple design solution(s)	1
Total	/4

Criterion 6: Design elements and principles (Evidence of effective selection and application of design elements and principles, such as: experimentation and application of elements and principles throughout, application of these in final solution, justification linked to design brief and intended audience.)	
Demonstrates effective experimentation and application of relevant design elements and principles with relevant justification	4
Demonstrates some effective experimentation and application of relevant design elements and principles with some relevant justification	3
Demonstrates experimentation and application of design elements and principles inconsistently and with some justification	2
Demonstrates minimal experimentation and application of design elements and principles with minor justification	1
Total	/4
Criterion 7: Design process (Evidence of competence in the application of a design process; idea generation/ideation, design development, refinement, production and evaluation, such as; investigation of design brief, visual research, idea generation techniques, visual development with progression of ideas, refinement, final resolved design solution.)	
Demonstrates a coherent application of an appropriate design process	4
Demonstrates a competent application of an appropriate design process	3
Demonstrates a basic application of a design process	2
Demonstrates minimal application of a design process	1
Total	/4
Criterion 8: Communication and visual literacies (Ability to respond to a design brief and construct a final design solution(s) that conveys a message to the intended audience, such as; final resolved design solution, relevant response to design brief and intended audience, professional quality and appearance, stands alone as a communicative work.)	
Presents an effective communicative final design solution(s) that conveys a clear message to the intended audience in response to the design brief	4
Presents an appropriate final design solution(s) that conveys a clear message to the intended audience in response to the design brief	3
Presents a final design solution(s) that conveys, in a limited way, a message to the intended audience in response to the design brief	2
Presents an incomplete final design solution(s) that conveys, in a minimal way, a message to the intended audience in response to the design brief	1
Total	/4
Overall total	/33
Task weighting: Convert to 25% of school mark	/25

Sample assessment task

Design – General Year 11

Task 7 – Unit 2

Assessment type: Response

Conditions

Period allowed for completion of the task: 3 weeks

Due: Semester 2, Week 13

Task weighting: 10% of the school mark for this pair of units

Infographic/Poster

(18 marks)

You are to develop an infographic/poster outlining the stages of the Design process.

Use your knowledge of the design process, along with your understanding of semiotics and the elements and principles, to produce an informative presentation of what the process is and how it is used in the Design industry.

Your infographic should also use your experience of the design process through your own projects in order to provide examples of the steps taken within the design process.

Your infographic/poster should outline the following stages of the Design process:

- i. research and investigation
- ii. ideation
- iii. development
- iv. refinement
- v. production
- vi. reflection.

Marking key for sample assessment task 7 – Unit 2

Description	Marks
Design process terminology and language	
Provides detailed and accurate definitions for all stages of the design process	5
Provides mostly detailed and accurate definitions for all stages of the design process	4
Provides some detail and/or accurate definitions for all stages of the design process	3
Provides general definitions for most stages of the design process	2
Provides limited and/or incomplete definitions for stages of the design process	1
Total	/5
Use of illustrations and semiotics	
Presents well-selected and effective illustrations exemplifying clearly the stages of the design process	5
Presents well-selected and mostly effective illustrations exemplifying the stages of the design process	4
Presents illustrations that exemplify with some effect the stages of the design process	3
Presents illustrations that exemplify with some effect some of the stages of the design process	2
Does not illustrate all stages of the design process	1
Total	/5
Use of design elements and principles	
Selects and applies design elements and principles effectively and with purpose	5
Selects and applies design elements and principles with purpose	4
Selects and applies design elements and principles with some purpose	3
Uses the design elements and principles inconsistently	2
Displays minimal application of design elements and principles	1
Total	/5
Overall presentation	
Produces a well-presented infographic/poster that is easy to follow, with an effective layout and adhering to conventions	3
Produces an infographic/poster that is easy to follow, with a mostly effective layout and adhering to conventions	2
Produces a confusing and difficult to follow infographic/poster	1
Total	/3
Overall total	/18
Task weighting: Convert to 10% of school mark	/10