



Loreto College Coorparoo Semester 2 2021

YEAR 10 Technology: Digital & Design

Student		Teacher	Mr Joyce 10A & 10B
Issued	13/7/2021	Due Date	10B Mon Aug 30 P1 / 10A Wed Sept 1 P4
Unit	Perfume Bottle - Product Design		

Conditions			
Technique	Folio production following the Design Process		
Duration	8 Weeks		
Mode	Project Based Learning	Length	
Individual/ group	Individual	Other	
Resources available	Technology Portal, Autodesk Fusion 360		

Assessment objective/s		
2. represent ideas and a design concept in the develop phase.		
4. devise ideas using divergent thinking strategies in response to a design problem in the develop phase		
5.synthesise ideas and design information to propose a design concept in the develop phase		
6. evaluate the strengths, limitations and implications of ideas against design criteria to make refinements.		
Criterion	Marks allocated	Result
Devising	5	
Synthesising and Evaluating	5	
Representing and Communicating	5	
Total	15	

Context

Perfume Bottle Design – from the perspective of a Product designer.

Task

Design Brief

You are going to design a Perfume Bottle for a celebrity endorsed perfume. You are required to:

- Create eight design ideas using freehand Isometric sketching.
- Create Final Design concept using Autodesk Fusion 360 software.
- Create high quality renders of your Fusion model
- Produce an Appraisal (Evaluation) of your Final Design.

Detailed information can be found at:

http://dt.loreto.qld.edu.au/10/U3_product/1_what_is_id.html

CHECKPOINTS

Week 3 of Term 3 – progress check (Design ideas and folio production)

Week 6 of Term 3 – progress check (Fusion Design)

Authentication strategies

The teacher will provide class time for task completion.

The teacher will consult with each student as they develop their responses.

Student progress will be monitored, and digital copies of student responses will be collected at the checkpoints.

ETHICAL SCHOLARSHIP DECLARATION – Website Design Unit

I, _____, confirm and acknowledge that the work produced in this assessment is my own. Any words/phrases that I have used from other sources have been referenced and acknowledged.

Signed: _____ Date: _____

Instrument-specific marking guide (ISMG)

Devising	
multiple ideas perceptively devised from different points of view — with each idea incorporating unique, credible and detailed attributes — using divergent thinking strategies in response to a HCD problem in the develop phase.	4 - 5
ideas appropriately devised — with each idea incorporating credible and detailed attributes — using a divergent thinking strategy in response to a HCD problem in the develop phase.	2 - 3
ideas disjointedly devised in response to aspects of the HCD problem.	1
does not satisfy any of the descriptors above.	0
Synthesising and evaluating	
coherent and logical synthesis by combining attributes of multiple ideas and HCD information to propose an innovative HCD concept in the develop phase. critical evaluation of the strengths, limitations and implications of ideas against design criteria to make discerning refinements that improve ideas.	4 - 5
simple synthesis of ideas and aspects of HCD information to propose a HCD concept in the develop phase. feasible evaluation of the strengths, limitations and implications of ideas against some design criteria to make adequate refinements to ideas.	2 - 3
unclear combination of ideas. identification of a change to ideas.	1
does not satisfy any of the descriptors above.	0
Representing and Communicating	
sophisticated representation of ideas and a design concept using fluent sequences of ideation and/or schematic sketching to progress understanding in the develop phase.	4 - 5
appropriate representation of ideas and a design concept using ideation and/or schematic sketching in the develop phase to progress understanding of ideas.	2 - 3
cursory representation of ideas and a design concept using unclear ideation and/or schematic sketching in the develop phase.	1
does not satisfy any of the descriptors above.	0
Total out of 15	
Percentage	
Estimated Grade	