

Exemplar for Internal Achievement Standard Design and Visual Communication Level 1

This exemplar supports assessment against:

Achievement Standard 91068

Undertake development of design ideas through graphics practice

An annotated exemplar is an extract of student evidence, with a commentary, to explain key aspects of the standard. These will assist teachers to make assessment judgements at the grade boundaries.

New Zealand Qualification Authority

To support internal assessment from 2014

Grade Boundary: Low Excellence

1. For Excellence, the student needs to undertake effective development of design ideas through graphics practice.

This involves:

- convincingly exploring and refining design ideas in a coherent and connected way that integrates design features
- making design judgments that are convincing and coherent in promoting ideas selected and decisions made.

The student has effectively developed their design ideas for furniture, as there is evidence of convincing exploration of shape and form with annotation based around comfort and style (1) (2) (3) (4). There is some convincing refinement of these ideas with the introduction of a canopy and illustrating structural detail (5) (6) (7) (8). This exploration and refinement is mostly coherent and the design judgements are connected, with good levels of freehand visual communication and annotation (6) (7) (8).

To meet the requirements of Excellence more securely, there could be more evidence of convincing and coherent judgements. For example, the final presentation could show more depth of detail, so that the final judgements of appearance and function could be more robust.

This design will be made out of writeer and the supporting structure out or munded garries of word. The custions will be mode out of white auton and he entry godded near the hood pest to fit into the crease of the next. It will be quiet low to the ground so the feet will seet on the ground. The meslogeny wood and when whate colours will harmonize muly together to create a

Fresh and symposicated appearance.

I don't think the curred Dive structure

will be able to support the weight comfortably so it will need to be redesigned with more structural components or thinker parts. I think the overall outline of the scating is quite good and wal profrom the

person nicely. Moube the negle of the legs will be slightly unconfortable because of the obvious peak and drop. Also, the disadventage of this charmould be that the shape of the secting might rother the

who will have to

confect toucher her views above or below the

everage height necouse of the steep stoping This mock up allows me to see that MOCK - UP The mass it will be all the components one in proportion conductable for suple within a carinin with each other and the gentle romus at brights, but not for others curves of the overall structure. I think this devian will be swife stable and sturdy. I like how the cooking have been slightly movelded to provide a little extra confort.

3D

20

Low Excellence page 1

I want this chew to provide mannium winters and be as user-friendly as position. This design is very cophicial and pleasing to the eye; of file in with the modern day style. The advantage of living claser to the ground a thin hurdle are coord is needed to use it instead of howing to which up on to choos which are raved. I have experated the each owing

material with sections in 1 there this will have interone" the engenomic fit and combit factor of the choir-Alo,

I move added an entonion to the top to provide shade. The Hearyn will lie much out of installed plouses which will be isolted with a deep violet colour. I want the paddled withins

Noth this mack-up. I can be shoot the chape of the chair will provide a great supporting host for a conference sounging shows If will be nature to people with a rust range of heights and builds I can see that the entrions will sit confortable y under the person and mould to the position of the person. The buck angle preates a gentle curve while the doot rest is oughtly brighter too relaxation



20 south that moneyt I all mining to member country of rotter thom appearance. It will be more and of a day green warres since will laterally wary out a expecting worker construct. That design of just summar o a humanish with the fact that the position will adjust depending 3D in how the person sits. However. I do not we the feet that their are in many 10 mporents and the overall approxime logis quite complicated. I NOCUEUM don't who how there is a spone norman the material and the long - honzontal perce of

MOCK-UP

supporting wood. I think there is

improve on with this execupt

particularly with the looks and houghs comfort.) mancing this modery this design will be quite unsoftiable that that when a promis du to the weight is put on, the unapported perves moteral will make to a more Also, I moto malve there is cotto unnunerously height and not enough room for the legs to rest in a ampriable name to be control odd more receiving to

must up , I can see that the angle of the escent with create a comfortable support to the book. Also, I share the shelter should he extended out a bit more to enable it to provide bother and more executive shade. the common to to come that I want

20

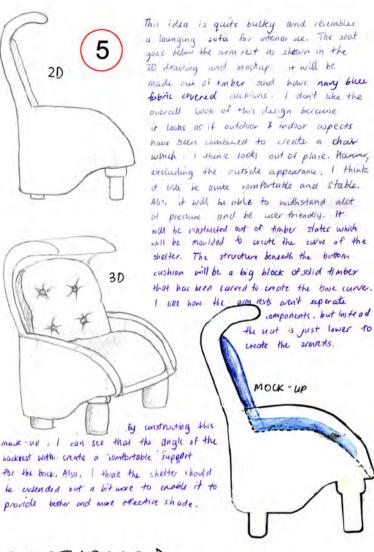
This idea is quite bulky and recember a lounging sotus for interior see. The seest goes below the arm rest as shown in the ID drawing and mostage it will be made out it timber and have many blue bubic covered warrant: I don't wee the overall with of this day on because it looks as if outdoor & indoor aspects have been empaned to asserts a chair which I show looks out of place. However, excluding the outside appearance I think it will be succe comfortable and stable. Also it will be oble to withstand alot of picture and he user friendly. It will be instructed and of table states which until he manifed to except the ewoe of the shelter. The structure beneath the button cushion will be a big block of solid fimber that has been carried to enote the bose curve. I we how the em not went approach

components . but instead the wat is just lower to choke the arments

MOCK - UP

by unstructing this

Low Excellence page 2



continueD ...

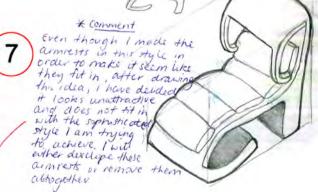
Material disadvantages continued ...

· Metal will rust, so it would have to be coated in a metal finish or parder coated invill use the second option belows it gives methe choice of any volcur as well as covering it that a protective coat, which is very convenient.

It will be reaser than plastic. However, this could also be considered as an advantage because it will be more stable and grounded in hash, windy

Change 4: ARMRESTS

want to add in some armrests to reach the armests to reach the irreximum comfort level.
Instead of the extended support columns joining to to seating base, I will curve armests which don't look out of place



Change S: ARMRESTS

My previous attempt at adding armests resulted in the design looking unappealing and out of place This ting instead of extending the support columns of the canopy, I will have a flat steel piece, which is connected to the stating base upturned in order to make the armiests. (Inspired by design (4) from reveauch)

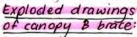
armrest is the I seating base.

Starting I don't think the design will provide alet of shade, so I will extend the canopy out further because the position of the sun changes constantly, it would provide shade for only a cortain period of time 20 3D Change 1: CANOPY I have extended \$ curved the canopy which will make it uch more effective Also, I have accord support columns which extends Change 2: BASE canapy to connect to the seating I want to develope the base of this design because it looks bulky! base. and requires atof of unneccessary material. NDVANTAGES . It looks smarter · More durable DISADVANTACES. steel sheets are more Instead of this design being constructed out of mouded pastic as originally planned, it will be made out of mouded planned, it will be made out of mouded o steel sheets are more expens, re than plashe. However, I am aiming this doigner piece to be and a different market with a higher piece rouge & crocker day stryle. They will get quodity for their money. steel sheets which have been powder and coated a light silver - gray colour to will a give it a more sophisticated appearance mone. The cushions will remain a white/light beige colour to compriment the structure.

continued

Change 6: BRACE

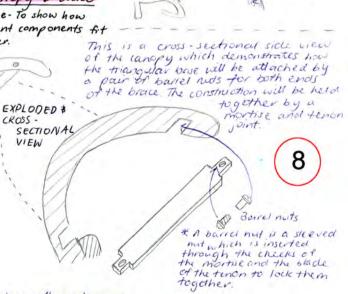
I will have to add support structures wholer the canopy to ensure that it will be strong and stable, since the extended support column have been removed in the process of developing the amrests. Exapport brace



Purpose- To show how different components fit together.

CROSS

VIEW



canopy

RBroce throngulating braces on both

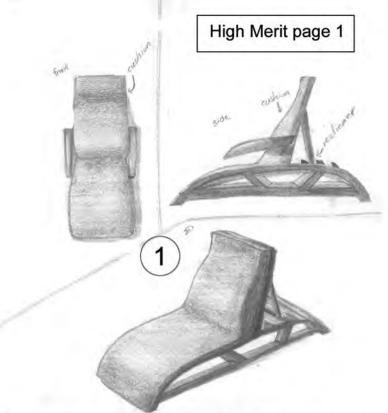
provide support

cushions

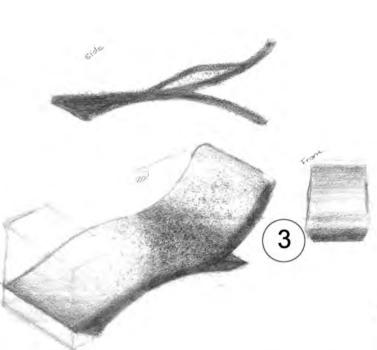
Here is another view of the same joint, this time, a cross-sectional exploded arowing as seen from above

space to allow cancey bornel to be screwed on brace o← mB-nut 1 barrel hole ter nut space for brace,

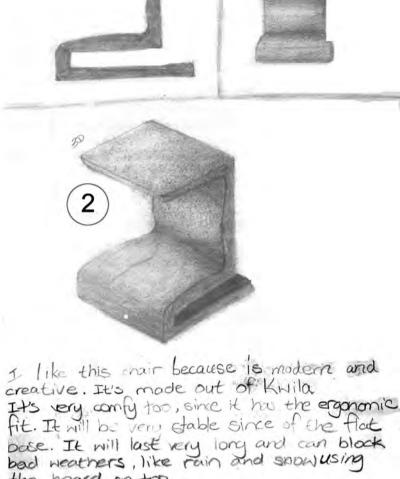
Grade Boundary: High Merit 2. For Merit, the student needs to undertake informed development of design ideas through graphics practice. This involves: purposefully exploring and refining design ideas, in relation to decisions and considerations that are meaningful to the design context making design judgements where ideas and decisions are informed by design principles and the brief context. The student has shown informed development of their design ideas for furniture, with some purposeful exploration of shape and form (1) (2) (3) and refinement of possible assembly solutions and alterations. (4) (5) (6) (7) (8) (9). Most of the design considerations and judgements are either meaningful to the context or informed by design principles. To meet the requirements of Excellence, there would need to be evidence of effective development. For example, the student could show selection of ideas and design judgements that are more convincing and coherent such as more convincing ergonomic shape and more robust assembly detail.

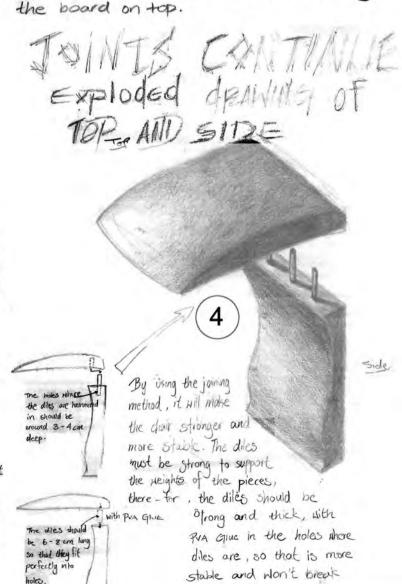


It is a Judosor Chair, made out of brown wicker. The chair has a recliener which can adjust up to three levels. The chair will be really comfy and durable since the cushions will have a carras cover to prevent rain damage. This chair should lost a very long time with a stable base. The chair is used for outdoor comfort, because of its ergonomic fit. The chair can support any body weight since it has thick less and parts. I don't like this concept because is very heavy to carry it around. I don't perfer the traditional style and is very hard to make.

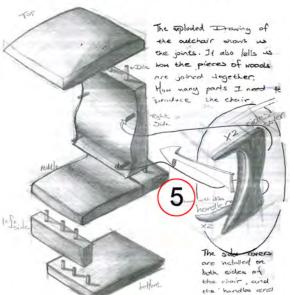


This outdoor chair is designed to be more modern and simple compare to concept one, is made out of good quality light colour wood. It has the organism to which is very comfy to sit on it. It will last very long since it has thick body and stable leas.

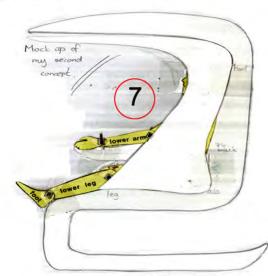




easy.

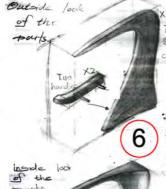


done led into the side coers.



This mack up looks comity and good. It has the ergonomic fit which makes it comfy, it's simple and modern, which match the the Global trend. The disadvantage of the mock up tells us that the part where the burn goes is very weak, since the wood is not thick enough

EXPLODED & THE DRAWING PARTS



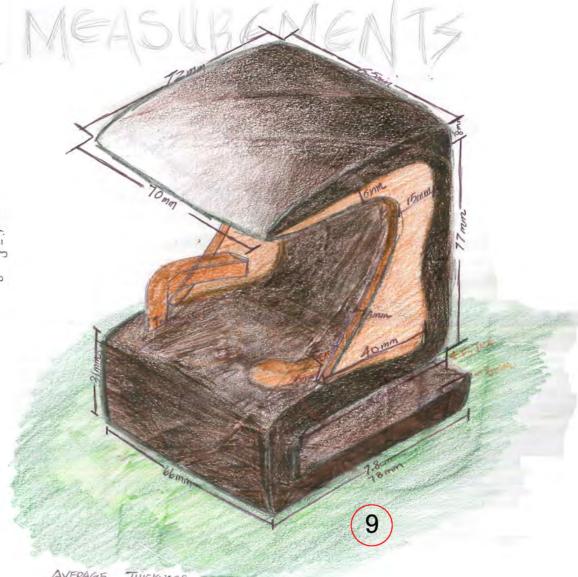
Exploded drawing of the sparts should us how the parts are joint together. I use the mathed of done light parting because it's very show and took good. The side tores will also be joined to the sides of the chair using the same method.

DRAWING

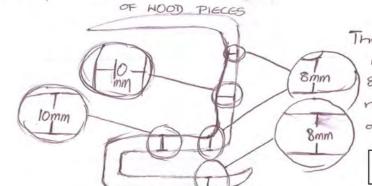
I divide while char into shalf so that the heide of the chair. [] will arrow array one half.]

The other half

The parts that will be installed onto the chair are all made in I ONE - PIECE 11



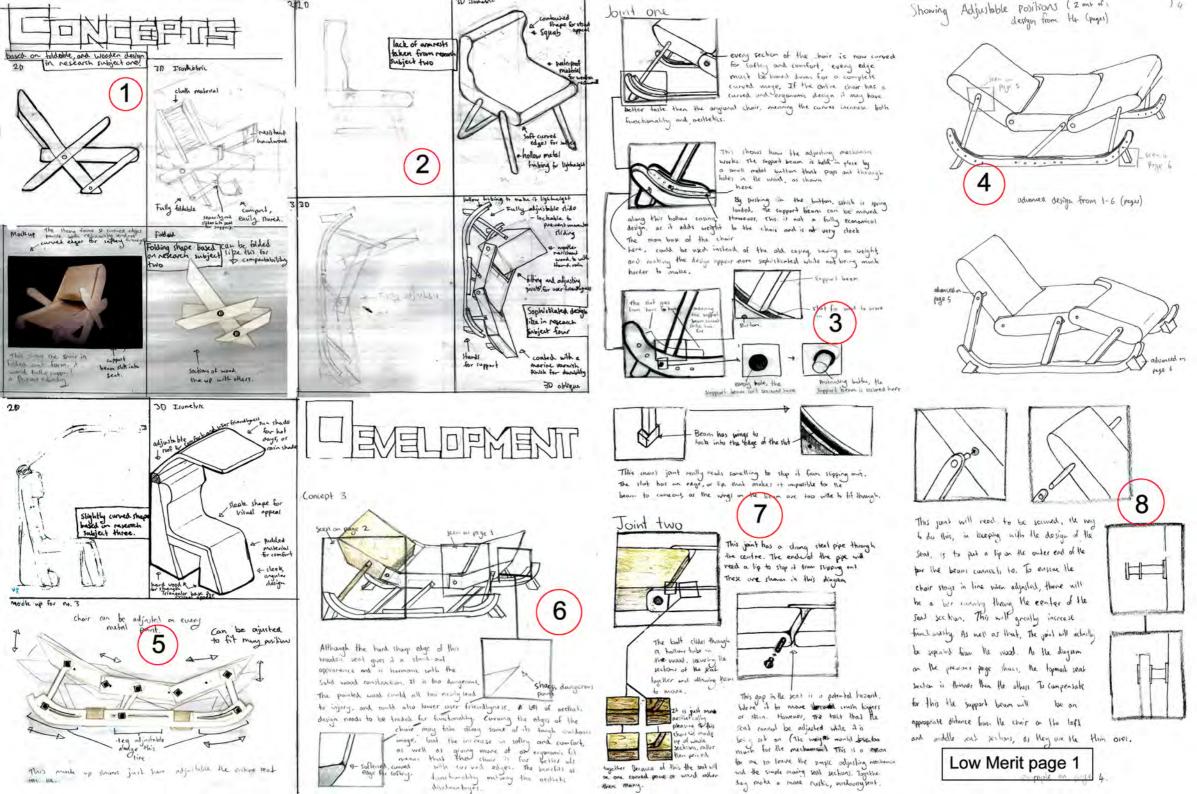
AVERAGE THICKNESS

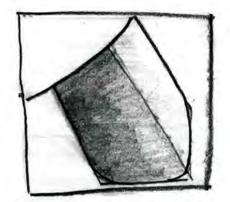


The minimam thickness of the pieces is 8mm and the maxmam thickness of the pieces is lomm

High Merit page 2

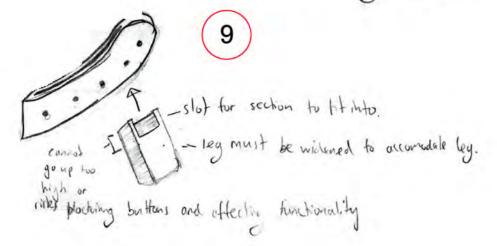
Grade Boundary: Low Merit 3. For Merit, the student needs to undertake informed development of design ideas through graphics practice. This involves: purposefully exploring and refining design ideas, in relation to decisions and considerations that are meaningful to the design context making design judgements where ideas and decisions are informed by design principles and the brief context. The student has shown informed development with the use of mock-ups to explore pivoting and joining possibilities and visual communication skills which, purposefully explore their ideas for furniture design (1) (2) (3) (4) (5) (6) (7) (8). There is some refinement to the adjustability and refinement of some of the structural components (9) (10). The design judgements mostly incorporate design principles, some in a broad sense. To meet the requirements of Merit more securely, there would need to be further evidence of the informed development of their ideas. For example, the student could strengthen the refinement of ideas to enable final design judgements about appearance and function to be made.





hollow space inside.
He top section means rails or fitting joints
cannot be used to

secure the leg. They would block the adjustable stide. The top section must fit into the leg rather that the other has around.

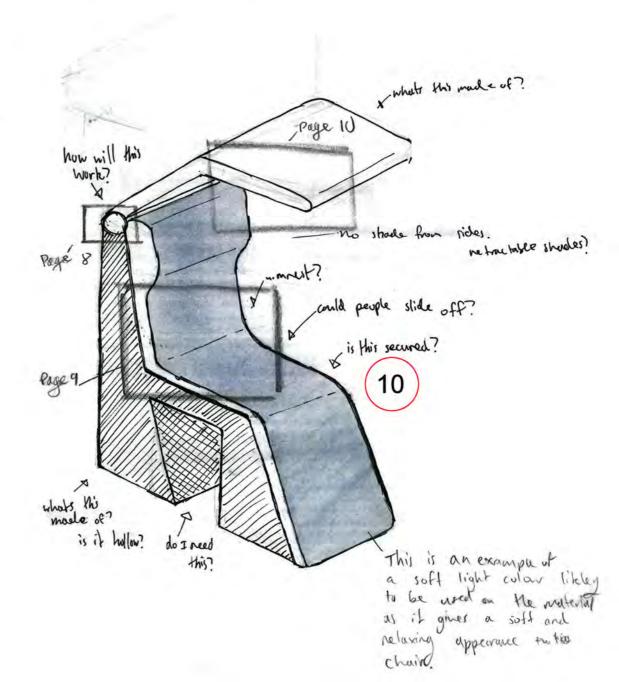




The teg connects into the setion without Impeding its functionality in any way.

TMIS shown on page 4

Low Merit page 2



Grade Boundary: High Achieved

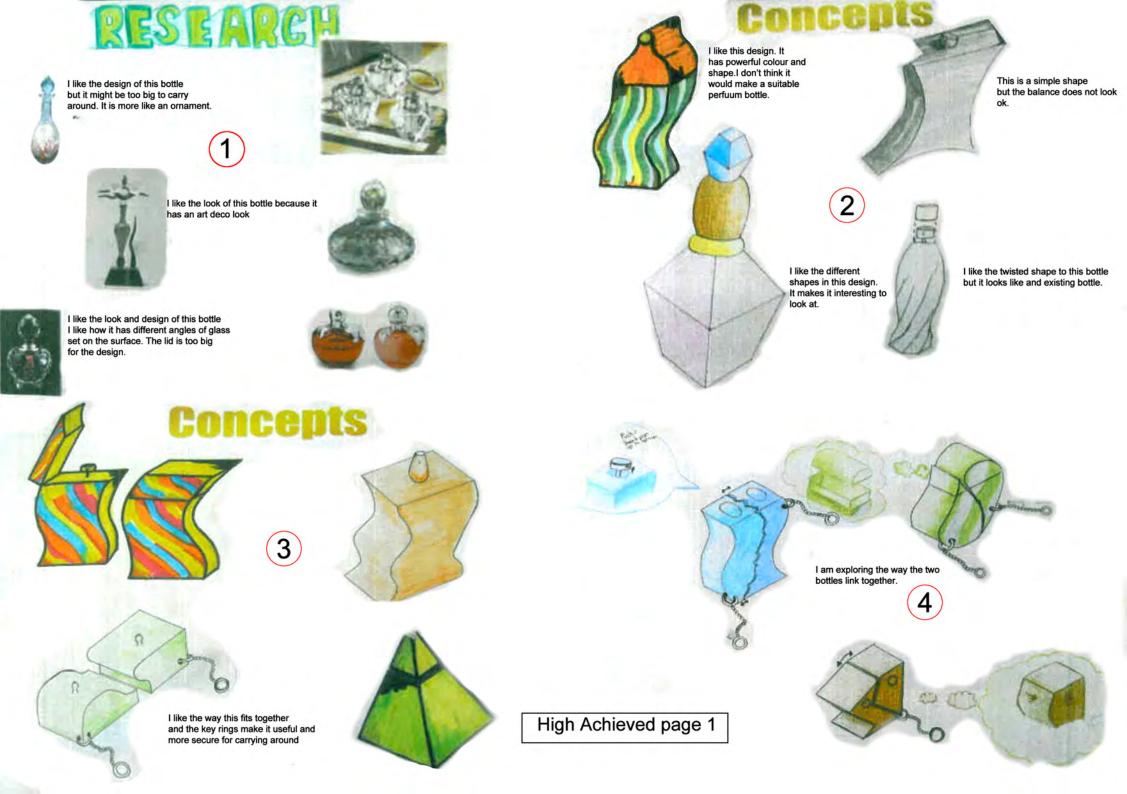
4. For Achieved, the student needs to undertake development of design ideas through graphics practice.

This involves:

- exploring design ideas by considering possible alternatives
- refining design ideas by considering design details
- making design judgements that consider qualities of design ideas, in terms of the principles of aesthetics and function, in response to a brief
- visually communicating the details of design ideas in response to the design brief.

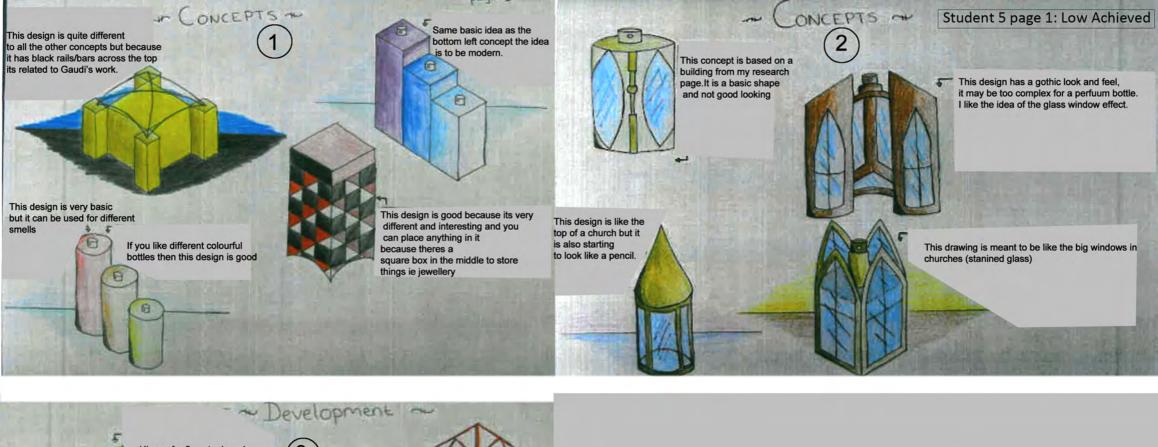
The student has developed product design ideas for a bottle, with exploration of alternative design ideas mainly based on shape, form and colour (1) (2) (3) (4). The details of their design are considered using visual communication, including mock-ups and models of an interlocking shape, to refine their design ideas (5) (6).

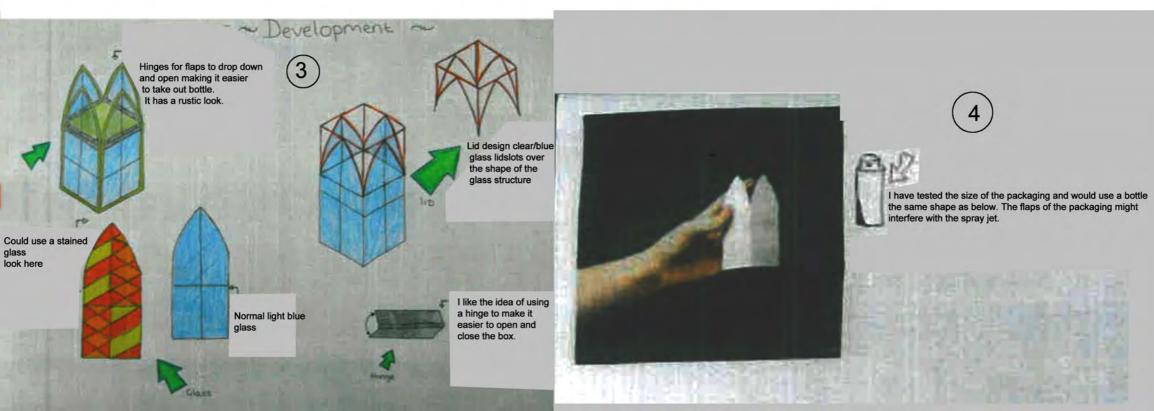
To meet the requirements of Merit, there would need to be evidence of informed development of ideas. For example, the student could introduce further principles of design in their design judgements.

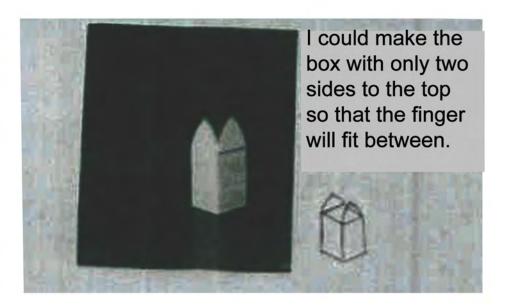


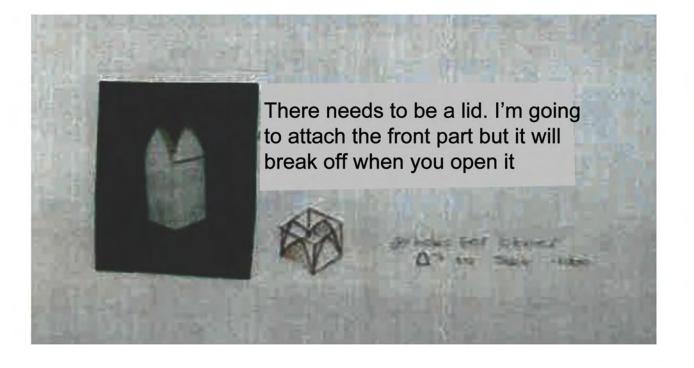


	Grade Boundary: Low Achieved
5.	For Achieved, the student needs to undertake development of design ideas through graphics practice.
	This involves:
	 exploring design ideas by considering possible alternatives refining design ideas by considering design details making design judgements that consider qualities of design ideas, in terms of the principles of aesthetics and function, in response to a brief visually communicating the details of design ideas in response to the design brief.
	The student has developed and explored shape and form (1) (2), with some refinement, product design ideas for packaging to contain a bottle (3) (4) (5). To meet the requirements of Achieved more securely, the student would need to show more depth in the development of their ideas. For example, the student could further refine details such as construction and joining methods.

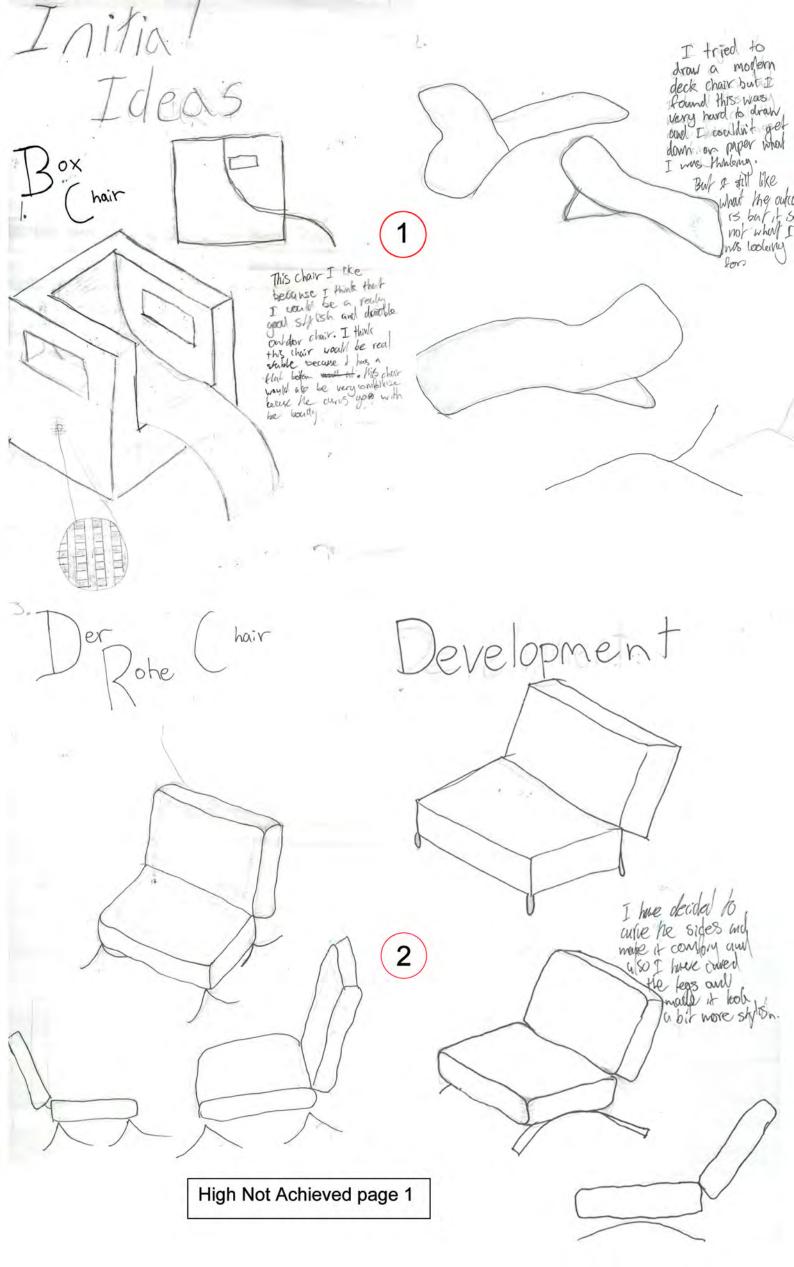








Grade Boundary: High Not Achieved 6. For Achieved, the student needs to undertake development of design ideas through graphics practice. This involves: exploring design ideas by considering possible alternatives refining design ideas by considering design details making design judgements that consider qualities of design ideas, in terms of the principles of aesthetics and function, in response to a brief visually communicating the details of design ideas in response to the design brief. The student has developed ideas with exploration of the shape and form of furniture (1) (2). There is some refinement of ideas beginning to show, through the use of a mockup and ergonome (3) (4). To meet the requirements of Achieved, the student would need to show further development of ideas. For example; the student could consider further alternatives as possibilities and further refine detail such as construction detail, working drawings and/or rendered drawings.





The next thing I discovered was what type legs I would put on them and this was one of the changes I and in any smeching. Install of having stort and shully legs I changed it to having a wase/upsile oborn our effect.

In this makup I docowd.

and changed a coulde of mings. Ove of those things is I discovered how hard it would be to provide und make.

This was hard because most of a box enterly out this was four of a box enterly out this was pory food to make and yet this Jethan with continued.







In my experience I found that the 1:10xxxx mon fitted my chair well and It stowed we have now your to also a 1:10 scale becase the name her perhetly.

