

Opportunities & constraints



Constraints

- the lighting will need to be energy efficient as there will be no electricity in the bush
- The design of the lighting must go well and suit with the interior of the tree house
- must be a clear cohesive design
- lighting must be practical and well functional

Brief

To design a light for my tree house interior which was inspired by the fashion designer Iris van Herpen, I have to consider what kind of lighting is needed to effectively light my design, it must have an impact and environmentally sustainable.

opportunities

- there is plenty of room from the ceiling to the floor to utilize with big or small designs.
- a well put together design of lighting is very aesthetically pleasing as it is needed, the right light can affect the mood and atmosphere in a room.
- I will make sure I design a piece of lighting that is aesthetically pleasing and eye catching.

IRIS VAN HERPEN



I really like the way she designs her garments with unusual and original also really eye catching shapes and patterns which is why I chose Iris Van Herpen as my influence on my light shade design.



Van Herpens designs draw the eye very well with the sharp edges and long wavy lines, also with great contrasts and earthy tones.



Iris Van Herpen has a vision combined with complexity and is also hailed as a pioneer in utilizing 3D printing as a garment construction technique, and as an innovator who is comfortable with using technology as one of the guiding principles in her work because its sculptural and UNFAMILIAR forms. Van Herpen's intent is to blend the past with the future.

Iris Van Herpen is a Dutch fashion designer and is widely recognized as one of fashion's most talented designers and forward-thinking creators.





Rhythm

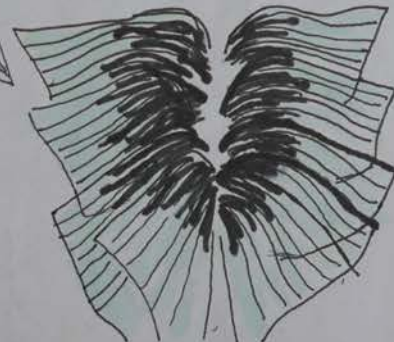
Exaggeration



Deconstruction



Symmetry



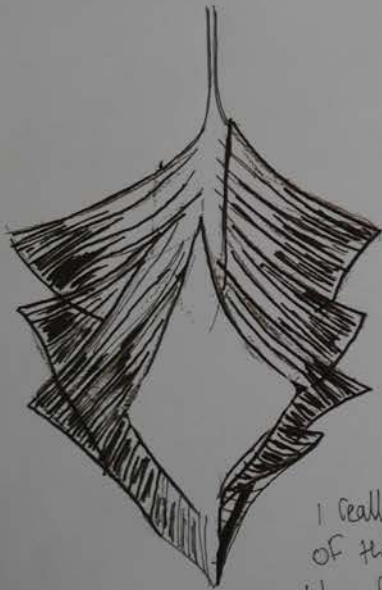
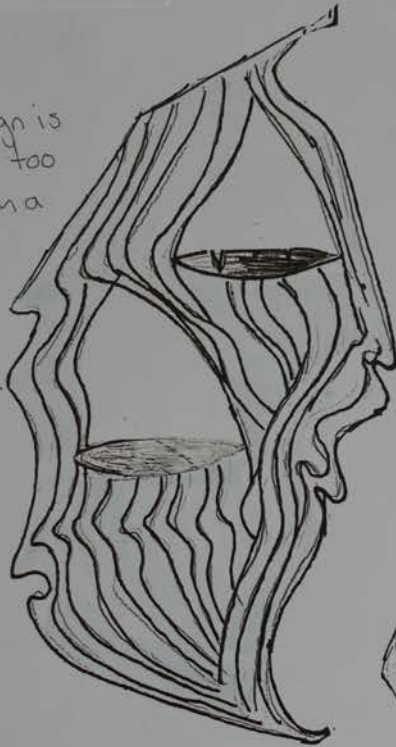
Symmetry



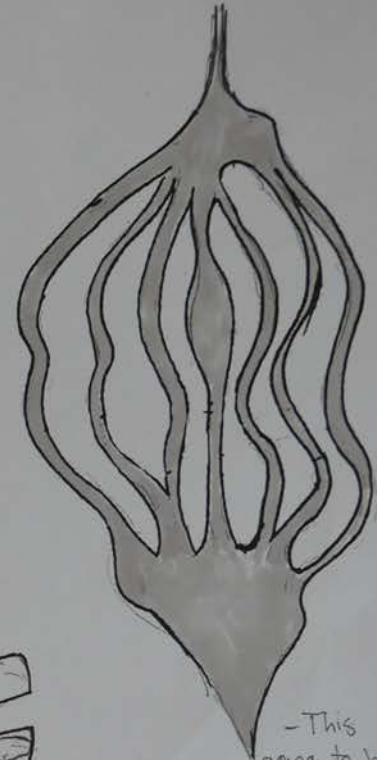
Idea generation

Conceptual generation

- This design is too open and too big to hang from a roof but would look good standing up as a lamp. This ~~best~~ design also fits two bulbs.



I really like the design of this light shade as it has lots of movement. I draw the eye with its sharp edges and curves.



- This design is going to be the design I develop to make my light shade design. It would go well with my interior and is very eye catching. This design could be made of a strong plastic material.

Conceptual generation 2



- This design would be made from a metal material such as tin or stainless steel.

This design could also be made from a transparent plastic like acrylic



I like the design of this shade but it would be hard to be able to fit it within the interior of my tree house. - would need to be made out of a light soft material

- This design could be made out of float glass or a strong plastic material or even metal



- this design has a nice shape which goes with the swirling lines and would be made out of a transparent plastic material. This design really draws the eye with all the lines and swirls - could be made out of glass or acrylic.

Materials

Wood



- Wood is strong and stable but would not go with the aesthetic of my interior.
- Wood could also if it got to hot be flammable.

Fibre Glass



I have chosen to go with Fibre Glass because it has great strength and durability, its easy to shape and my light shade is an usual shape. Fibre glass will also work really well with the colour and aesthetic.

- Fibre glass has very good strength and durability. It is also a good electrical insulator even at low thickness combined with its mechanical strength and behavior in different temperatures.
- Fibre glass is also easy to shape and would go really well with the design of my light shade.

Acrylic



- Acrylic is a type of plastic that is transparent and can also be translucent, solid or opaque. It has good strength and durability. Also has a great modern look.
- can be tinted and is eye catching with its different clear look.

Metal



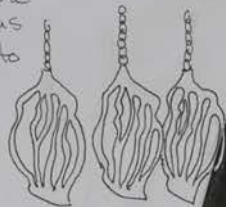
- This metal material would be strong and durable, aesthetically pleasing but would be quite heavy but reliable and sturdy.
- could suit my interior, would consider using Metal.
- Metal would also work with my design well.



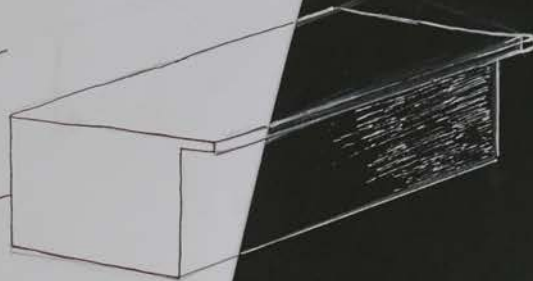
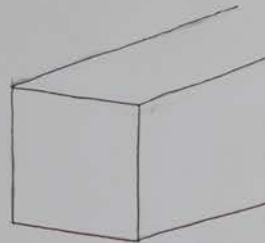
here is a drawing of my design that will be made with Fibre glass

Aesthetics

hanging seperately gives them a clean and modern aesthetic as well as adds a modern clean look to the kitchen.



- my lamp design will be placed in the kitchen as it is an essential area, a place that people will see the light shade a lot.



I have made this design into a standing up lamp but I don't like the way it looks. It would look better hanging from the roof or off the wall.



- I have made this design into a symmetrical shape I need to make it more eye catching and out standing.



- I have placed this design on the wall or tho it would suit hanging from the ceiling also would need to make it less symmetrical.



This design is more random and what I will use to develop into my light shade, as it draws the eye and stands out with its interesting shape.

Assembly

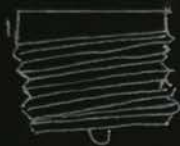
Small bagnet cap



Bagnet cap



Edison screw



Small edison cap



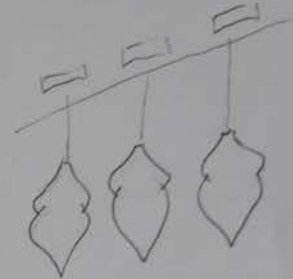
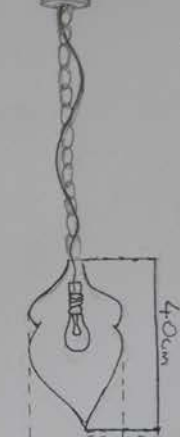
My Design will be easy to dismantle for cleaning and replacement of the light bulb



I have used a small edison screw which is also a Halogen, Halogen globes are widely used in all types of light fittings e.g down lights and spot lights etc.



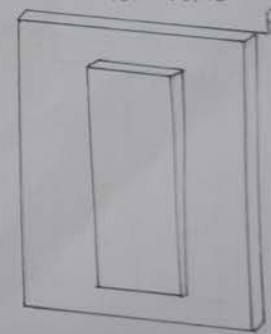
Small edison screw



Hanging from the ceiling separately gives the room a clean modern look



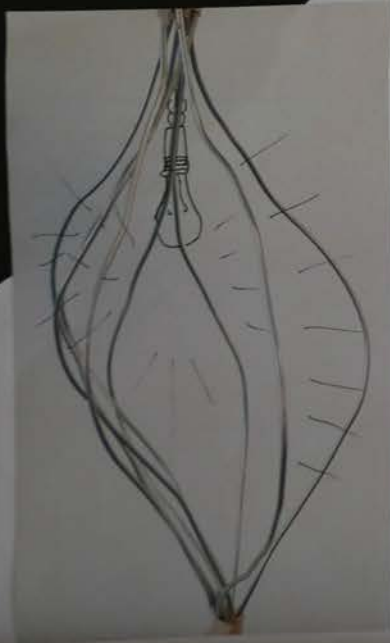
I have chosen to have 1 light switch to turn on all three lights. It will be placed on the wall as it needs to be easily accessible. The light switch will also be reachable for shorter and taller people.



this height is the best height for the light as it hangs from the ceiling in the kitchen and will need to obviously be out of the way.

Aesthetics 2

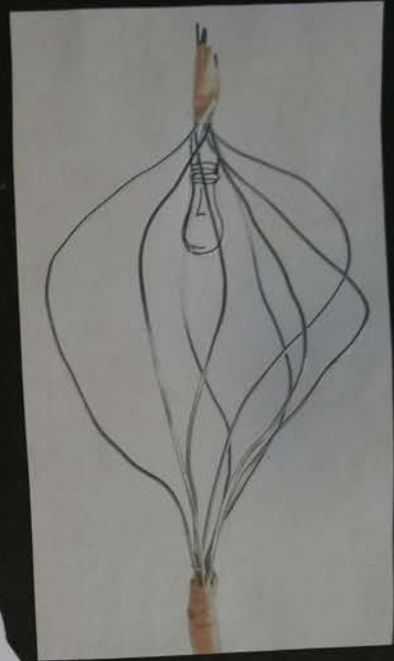
here i have continued developing the form of my light shade design. I have developed the form using wire. I found that it helped me really well to create different shapes and forms. It was harder to make the design that i have developed into as the wire is thin and my design is thicker but still managed to work well and get the idea of my design. That i have chosen.



I now need to - choose the material I am going to use and that will work best with my chosen design. I could use glass, metal, wood or Acrylic or even fibre glass



my design will show light from many directions of the randomly.



- my design is asymmetrical but also clean and not too wild which is attractive and aesthetically pleasing
- The light bulb inside the light shade will not be too exposed as the design has a quite closed in shape. But will also show a good amount of light that will cast an interesting shadow



Final concept

PRODUCT : CEILING LIGHT

ACHIEVED :

10 PAGES

Level 3 91627 (3.30)

NCEA Design and Visual Communication (DVC) 2018

AS 91627 (3.30): Initiate design ideas through exploration (4 credits)

Achievement	Achievement with Merit	Achievement with Excellence
Initiate design ideas through exploration.	Initiate design ideas through insightful exploration.	Initiate design ideas through extensive exploration.
<ul style="list-style-type: none">Use starting experiences and visual communication strategies to <u>explore alternatives and variations</u> to <u>expand design thinking</u>.Ideas are <u>re-generated</u> from alternatives and variations which <u>lead towards</u> design ideas.	<ul style="list-style-type: none">Use visual communication strategies and design thinking to analyse and re-interpret design ideas.An emergent train of thought is identified and informs further design ideas.	<ul style="list-style-type: none">Use visual communication strategies and design thinking to extend and transform design ideas.

Overall level of attainment for 91627
A

Underlined aspects were used in making judgements.

A diagonal line indicates that a specific aspect was either not in evidence or was not shown in enough evidence to reach the appropriate level.

Pages 1 - 3 have the introduction context, starting experience looking at an existing designers work, and generating own explorative shapes and forms to expand design thinking in response to the designers work. Pages 4 - 5 take the fundamental forms explored and re-generate these which lead into pendant light design ideas. Pages 7 - 10 carry on exploring the design idea and show some basic thinking towards materials and assembly.

This submission is an Achieved. It does not show analysis or re-interpretation of design ideas. It does briefly look at basic construction details but does not show any informed thinking, context or train of thought. The design idea does not change greatly from the original seen in the early part of the submission.