

CRITERIA 3

17154677A



innovation and creativity

New and emerging material such as carbon fibre have been used in the design in the stand and the down tube.. Carbon fibre is a light weight and durable material. Its aesthetically pleasing with its repetitive check.

Visual, Tactile and Aesthetics

A pattern has been created on the round table top. The slats in-between the central beams help to hold the table together while having a aesthetically pleasing visual affect.

Joining method

The Carbon Fibre has been joined to the Red gum table top by using bolts. From underneath This allows for a strong join and one that can be removed if needed in transportation. Each wood slat is joined by glue.

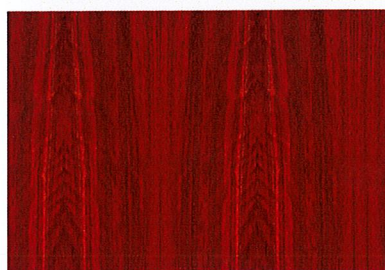


Materials

Carbon fibre has been used in the design for the base.

Red gum, a hard wood which is very durable and heavy has been used for the table top. A small section of Red gum has been recycled from the farm but due to the availability it was limited.

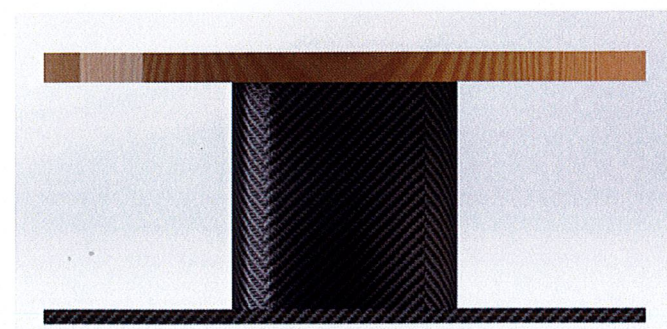
A glass sheet, which is transparent allows the visual of the pattern on the table to not be hidden.



DESIGN OPTION ONE



VIEW 2



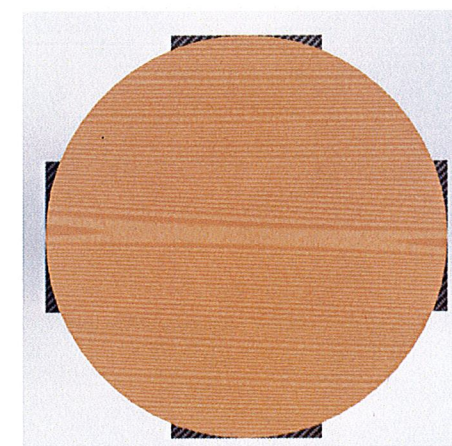
Purpose, Function, context

The table has a revolving base allowing it to be spun around at your convenience. This makes the accessibility of the table next level. As you don't have to reach to the other side of the table you can just spin it.

Visual, Tactile and Aesthetics

Contrasts in colours of materials between the dark Carbon Fibre and the Red gum creates a unique look for the table. The difference between the matte surface of the timber and the reflective carbon fibre allows you to clearly distinguish between the Table top and the base.

TOP VIEW 1



The top view shows the relative size of the table top to the base.

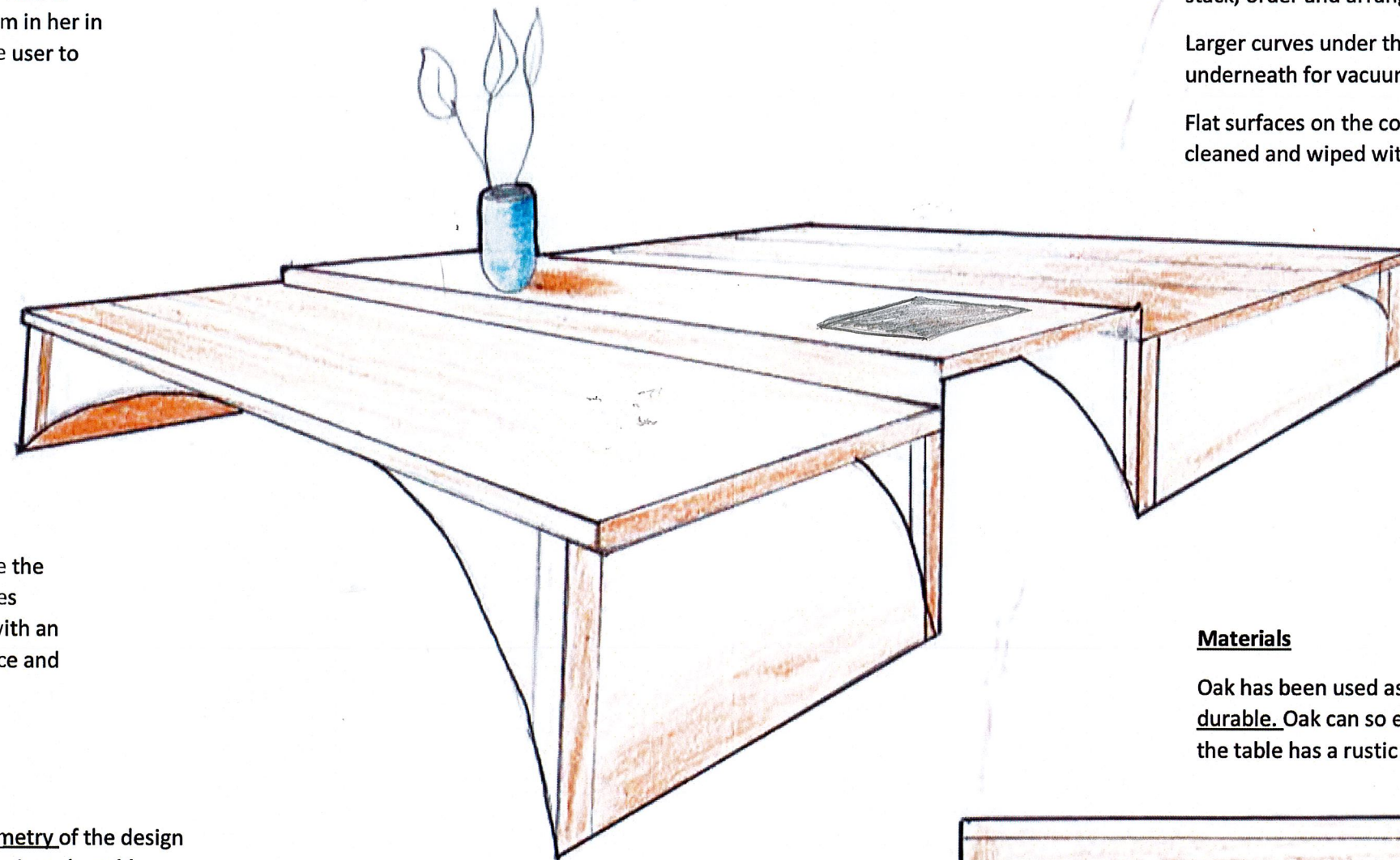
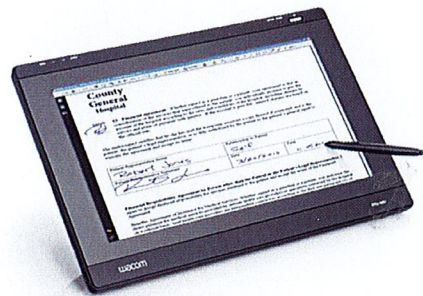
DESIGN OPTION ONE

Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?	4	Yes, the design does allow for books and coffee cups to be stored suitably. However, if placed on the edge of the table will they not fall off when the table is spun too fast?
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?	0	No, no historic marking on the Wood.
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm?	3	Yes, small parts of the red gum have been sourced. But, not all materials.
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?	5	Yes, the frame is symmetrical. And a love the cylinder in the middle to hold the table up. It is very cool how it complements the table top.
User-centred design.	Q. Is the table easily accessible from all angles?	4	Yes! The table's accessibility is great. The fact that it can be spun means using the table will be fantastic I wouldn't have to leave my seat to reach to the other side.
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?	4	Yes, because the table is round it doesn't have any sharp, exposed, 90 degree edges or corners.
Overall User feedback.	Overall, it looks alright. I would love to comment on the table's accessibility and how it can be spun. This is a fantastic feature that will seriously benefit me. The Carbon fibre that has been used may be too modern for me. I would prefer if the materials were more modest and didn't capture your eye because it is so shiny. Total Score: 20/30		

DESIGN OPTION TWO

Innovation and creativity

A digital swiping pad has been installed on the table surfaced to allow the user to operate her television and Sound system in her living room. The Pad includes a pen the will allow the user to write notes on the table and set daily reminders.



Visual, Tactile and Aesthetics

There is a smooth flat finish on the table surface where the panels have been joined. This is important for the tables texture. The table has been washed and then coated with an appropriate finish to ensure the tables sleek appearance and soft surface.

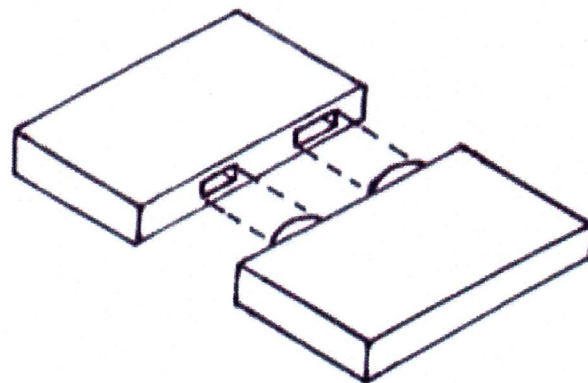
Visual, Tactile and Aesthetics

The table has been designed with symmetry. The symmetry of the design allows the table to be accessible from all angles. It also gives the tabl balanced look

Joining method

Biscuit joint has been used to join each length of oak together to create a large surface. Enough to hold books and Coffee cups.

The arched table legs have been glued to the frame so no nails or screws impact upon the designs athletics.



Purpose, Function, context

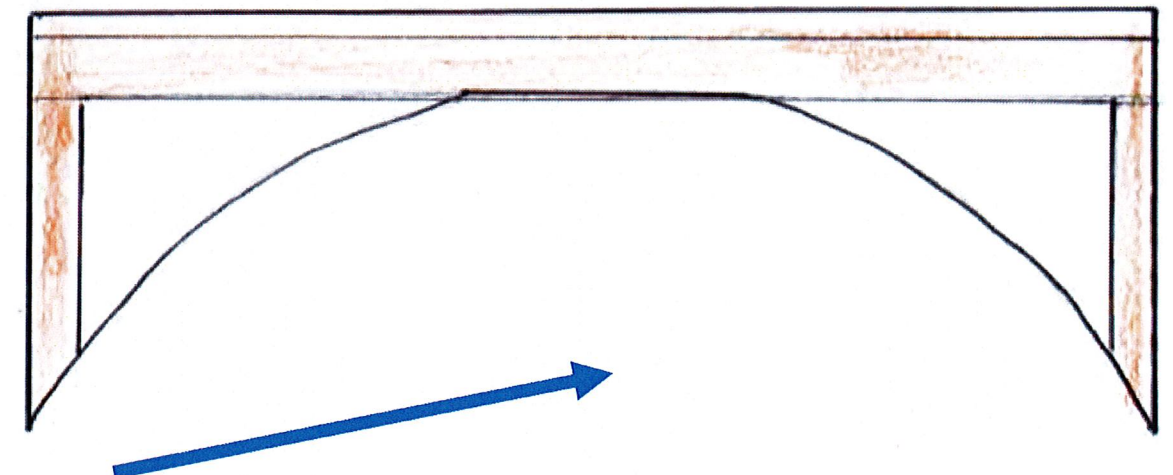
Different heights of the table have been added to allow the user to stack, order and arrange books and her coffee cups.

Larger curves under the table allow easy access to the carpet underneath for vacuuming and quality of cleaning.

Flat surfaces on the coffee table mean that the table can be easily cleaned and wiped with minimal effort.

Materials

Oak has been used as it is a Hard wood and therefore is very durable. Oak can so easily be stained to make it a dark colour so the table has a rustic and worn look.



Lots of space is created underneath the table by having arched legs. This means my user can easily get underneath the table to vacuum the carpet.

SIDE VIEW 1

DESIGN OPTION TWO

Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?	5	Yes, the design is very suitable for the storage of books and cups. However the books may be better if they could be stored upright instead of lying down.
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?	0	No, there isn't the materials seem brand new.
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm?	0	No, the materials do not look like they are sourced from my farm.
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?	5	Yes, the frame is symmetrical. I love how it is so complex, but still symmetrical.
User-centred design.	Q. Is the table easily accessible from all angles?	4	For me It looks perfect! But I may struggle to reach over the little raises in the surface.
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?	2	The table does appear to have many unnecessary sharp edges and corners. Maybe the design could cut back on these edges.
Overall User feedback.	Overall, the design has many great features, but it isn't really what I'm after Bobby. In your other designs I would prefer if you could seek to focus more on materials that you have used. Total Score: 16/20		

DESIGN OPTION THREE

Innovation and creativity

A raised level on the Coffee table will allow for extra storage of books and coffee cups. Underneath the raised level. There is an automatic night light that creates a visual display of your choice which can be operated by a remote.

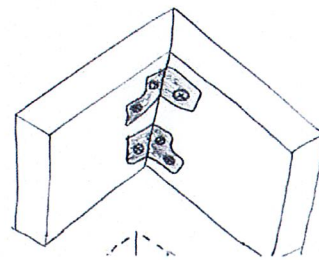


Materials

The table is constructed using stainless steel for the two visible legs. This will mean that there is increased strength for the tables frame as there is a lot of pressure on that end of the table. The table top is assembled from plywood. This is a light weight cost effective wood that will easily moulded to make the seat as it curves down.

Joining method

Mitre joins have been used in the upper level of the table to create a box for the automatic light. By joining two 45 degree cuts together to make a right angle. A 90-degree bracket will be used to join the steel and Plywood. These joins can be hidden underneath the table top and underneath the upper level.



Visual, Tactile and Aesthetics

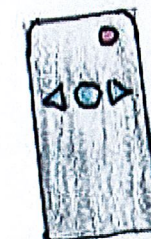
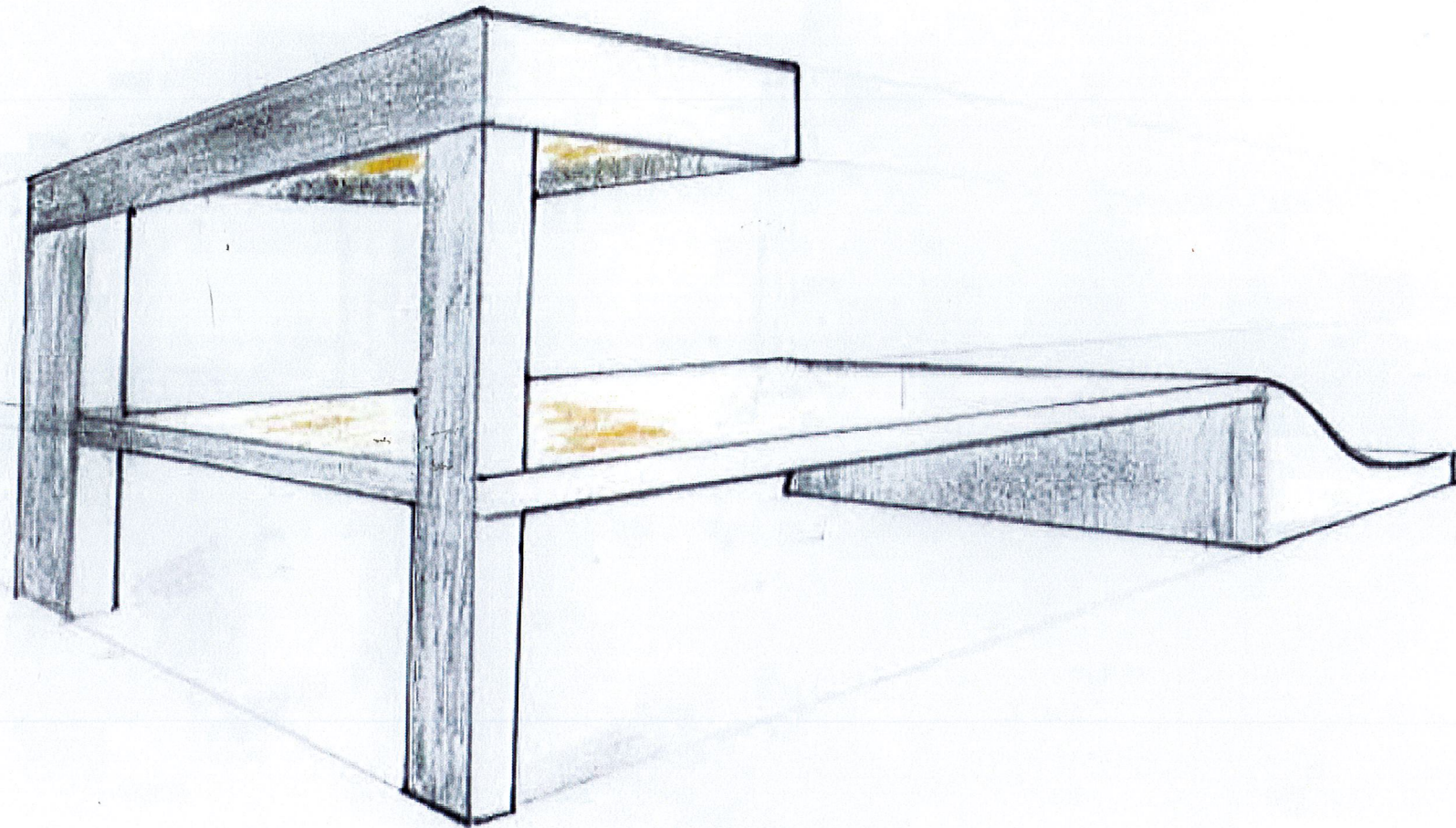
The strong contrast in line through the design from one end of the table to the other creates a very capturing table.

Visual, Tactile and Aesthetics

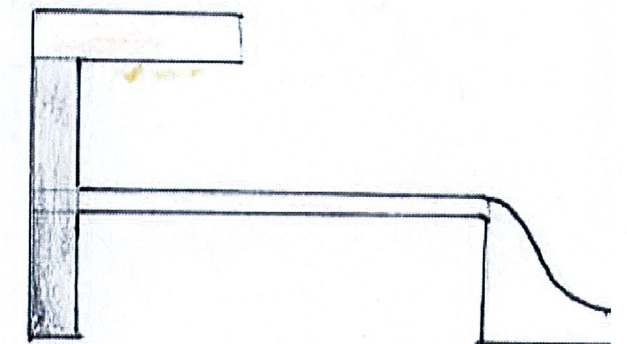
The design has contrasting colours and textures between the stainless steel and the plywood. this creates an aesthetic appeal in the design.

Purpose, Function, context

A secondary function of a seat has been added to the end of the table. This can give the user the option to rest while having the convenience of the table behind them



-Remote control for lights



SIDE VIEW 1

DESIGN OPTION THREE

Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?	5	Yes, the design is suitable for storage of cups and books, but I think the second level may interfere with the storage.
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?	0	No, this needs to improve.
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm?	0	No, not visible.
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?	2	Yes, the design has one line of symmetry.
User-centred design.	Q. Is the table easily accessible from all angles?	3	Yes, I think the second level is great as I will not have to reach down if I am standing up to rest my coffee cup. However, it may be very difficult to store cups and books underneath.
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?	2	There may be a few I am conscious about the two corners on the raised area they could be a potential danger to a child if they fall near to the table.
Overall User feedback.	Bobby, overall this table isn't really what I am looking for. The table lacks in Choice of materials and The historic markings on the materials which was a desired piece for my table. Total Score: 12/30		

DESIGN OPTION FOUR

Innovation and creativity

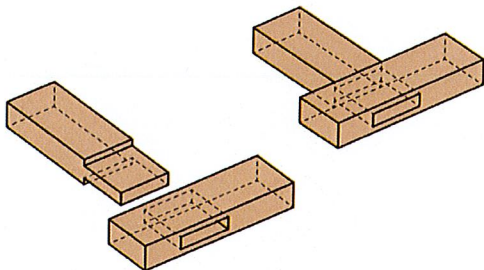
USB charging points have been added onto the design. They are operated by the solar panels that have been added onto the surface of my coffee table.



Joining method

A mortise and Tennon joint has been used to construct the frame of the table. This method allows for a very strong join and hold within the frame increasing the tables overall strength and durability.

The table top just sits on top of the frame. This allows any table surface to be placed on the frame.



Purpose, Function, context

The table has a flat surface which is very easy to clean if coffee is spilt. The large flat surface also means that there is plenty of room to store books and coffee cups.

Visual, Tactile and Aesthetics

The polished gold is very smooth in its appearance. The table top could be replaced with any surface including recycled materials from the end users farm. This table top is a very dark green colour and is therefore in contrast to the tables frame creating an aesthetic appeal.

Visual, Tactile and Aesthetics

The tables frame is very symmetrical allowing the design to connect. Curved corners on the table give the edges a soft touch and gives the table top no end poin to allow it to keep flowing.

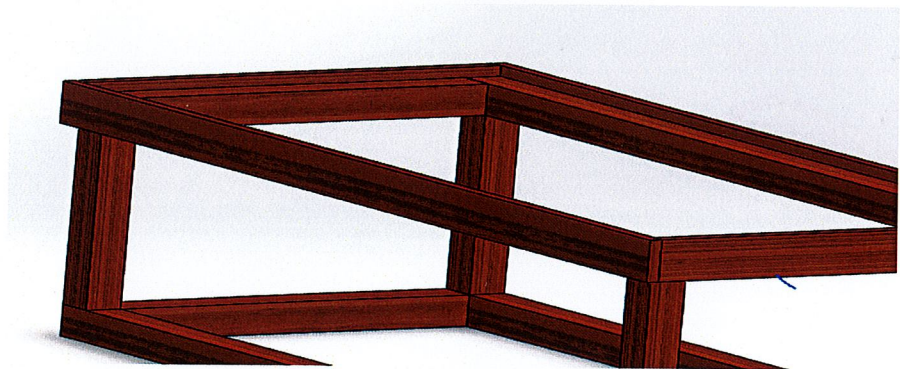
Materials

The Table top is made from Gold

The table frame is made from black wood.

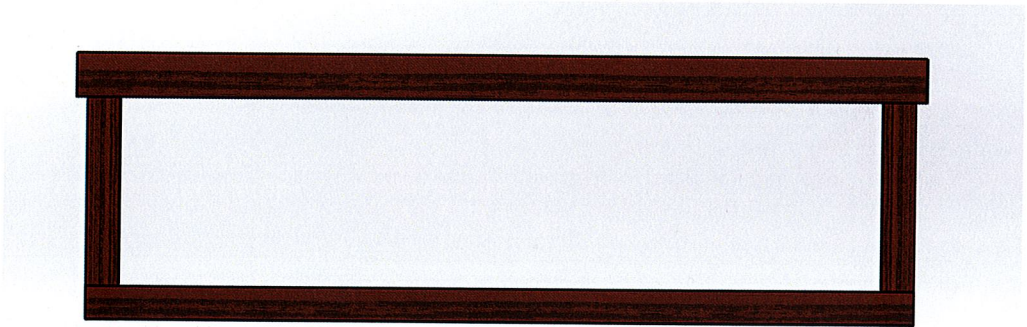
Solar panels have been placed upon the Table top.

VIEW 2



Shows how the table top fits into the design

SIDE VIEW 1



DESIGN OPTION FOUR

Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?	5	Yes, there is lots of space on the table top for me to store my coffee cups and books.
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?	5	Yes, I love that you have used the side panel of the wool press from my farm. It is great to see the original writing on the table which can act as a great point of conversation for when my friends come to visit.
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm?	5	Yes, the large table top has come from the wool shed on my farm.
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?	5	Yes, the table frame is symmetrical.
User-centred design.	Q. Is the table easily accessible from all angles?	4	Yes, very accessible and would look great with my existing furniture in my house.
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?	3	Yes, the sharp edges have been rounded leaving it with a soft finish. This will be great as the danger of the table has reduced significantly.
Overall User feedback.	Overall, the table is great. It is good to see a well thought design. I really like how the table has reduced the amount of sharp edges that are exposed and I love that you have incorporated the recycled materials. However, I'm not sure how practical the solar panels will be indoors, but a great thought. Total Score: 27/30		

DESIGN OPTION FIVE

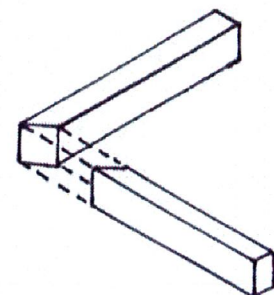
Innovation and creativity

The design features a magnetic closing device so when the table sides are folded in they are stuck down and cannot be opened. This reduces the risk of children opening the lids and trapping fingers and movement of sides during transportation. The magnetic lock can be realised by the push of a button.



Visual, Tactile and Aesthetics

Recycled gold hinges have been recycled from the Users farm and are equipped with a decorative pattern. They are also symmetrical and having a pair or set of them creates repetition in the design.



SIDE VIEW 1

Purpose, Function, context

Expanding fold-out sides have been added to this table to allow it to double in width. This feature allows the user to adjust and control the desired size if there is a need for a bigger table. There is three potential size options.

Visual, Tactile and Aesthetics

The table has a symmetrical design which complements the designs proportions. The two symmetrical handles allow the table to be opened up simultaneously which acts as a show for the table user.

Materials

Oak has been chosen for the Table to fulfil the user requirements for strength and durability and in search for a darker material. The oak is in contrast with the Merbau leg stumps. All timbers are hardwoods and are both therefore very durable.



DESIGN OPTION FIVE

Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?	5	Yes, very suitable. However they will have to be stored flat.
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?	5	Yes, I can see the hinges that you have recycled from my farm gates.
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm?	3	Yes, hinges from gates.
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?	5	Yes, the design is very symmetrical, even when the sides are folded out.
User-centred design.	Q. Is the table easily accessible from all angles?	3	Yes, it appears to be however the table may be too big when the sides are folded out.
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?	1	There appears to be lots of exposed sharp edges in the design.
Overall User feedback.	Overall, I can see that the design meets the criteria in areas that others have not. I like how you have used the hinges in your design. For me it makes it more personal and appealing. The designs magnetic locking system could be very useful as a safety precaution. Total Score: 22/30		

JUSTIFICATION OF PREFERRED OPTION

Jamima has decided on Design Option Four. The design option scored 27/30 which was the highest ranking design option. The design is rectangular and symmetrical table frame with a flat and interchangeable top. The table frame has flat beams along the bottom. The table is made from Eastern Mahogany because it is dark in colour and appearance and is a hard wood which means it is durable. This is important to my User because she needs the table to be strong and durable when she plans to move it when she moves homes. She also needs the table to be dark in appearance to match the surrounding products in the room. Jamima loves the interchangeable table top and believes that this will mean she can continue to adapt the table to new trends and fashions in the future.

Criteria applied to all design options	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5
Q. Is the product suitable for storage of cups and books?	4	5	5	5	5
Q. Are there any historic markings left on the wood?	0	0	0	5	5
Q. Are the materials used recycled from her farm?	3	0	0	5	3
Q. Is frame of the coffee table symmetrical?	5	5	2	5	5
Q. Is the table easily accessible from all angles?	4	4	3	4	3
Q. Does the product appear to have minimal sharp edges?	4	2	2	3	1
Total Score for each option	20 /30	16 /30	12 /30	27/30	22 /30

JAMIMA'S FEEDBACK

"I have chosen design option four as I believe it best suits the criteria. I love how you have used a darker material for the symmetric frame. The design has lots of surface space to store coffee cups and books and the smooth flat finish will allow me to wipe the table down at ease if anything gets spilt. I

like the table because:

- The frame is symmetrical. I like this because it is aesthetically pleasing to look at as it is balanced.
- The table top is interchangeable. This is great because I can keep adapting the table in the future.
- The space available to store coffee cups and books. This is good for me as I plan to rest many on it when my friends come to stay.
- The choice of materials. This is great because Durable timbers have been chosen which is great for when I attempt to move the table.
- The overall height and size of the table. This is great because it means I can access the table from my sofa and easily reach to the other side.

However I believe that the table could be further improved by:

- Changing the table top from gold to a recycled timber sourced from my farm.
- Using cleaner methods of joining in the frame. No butt joints. This will increase the durability and aesthetics of the table.
- Increasing the thickness of the Timber used for the frame. This will put the frame into proportion.