

**Criterion E: evaluate****EVALUATION**

For this project my need was to make a product out of the recycled material I have at home in which I can display and protect the crafts. My product fulfills this as all the material I used was that which was not being used at all and so it was put to good use. And also, it fulfills the purpose which was to display the crafts. It also enhances the look of the craft with the colour choice and the patterns. It protects the craft well as I have stuck on a plastic sheet that will not allow dust to enter.

My product also fulfills my design specification thoroughly. It is safe in terms of its stability. Although it does have the toothpick tips as sharp points, it is not unsafe because it is very small and it is inside and so it cannot scratch unless deliberately touched hard. It was made out of the useless material I had lying around at home such as beads, toothpicks etc. and the final product looks old and antique and the junk blends in together. It is easy and convenient to use with smooth moving parts and good fits and sizes. It is durable as things have been stuck down with strong glue. The construction did not require much technology at all and the final product is very attractive and made creatively. And lastly, it was finished by the time given.

My design brief stated that I will make a photo frame out of recycled material to the size of one of the best crafts my parents own, which needs framing. I didn't make any changes to this as throughout the project this was my aim and any change made would have affected my need. And as shown above, my product already fulfills my entire specification and so I did not need to make any changes to it either.

My product works very smoothly. The only moving parts are the swivel pieces at the back. These pieces have been screwed down and so they are firm in place but still turns well. The cardboard removable piece has been made to the exact size so it is not loose. It needs to be pushed in gently when closing. So the product, overall, works very well. It fulfills the purpose and moving parts move smoothly with no problem. I would say the frame is very efficient. I have managed, using junk material, to still give the frame an old and antique look which matches with the actual craft being framed beautifully. The main part of a frame is the front, and this part looks very nice and attractive.

I faced certain problems in this project. One of the main problems was what material to put in front to protect the frame. I had found the cling wrap would be quite useless and was not of the right size in any case. The plastic I used which was the left over pieces of a table cloth was good, but there was a certain area that it did not cover, and so this part would have been left with no plastic. I overcame this problem by cutting out another piece of plastic from the scraps, and carefully sticking this over the gap and this solved my problem. I was also

worried of how to avoid light reflection on the frame. I realised that this could not be resolved fully, but I reduced it a great deal by tightening the plastic to avoid any creases forming.

Another problem I faced was the sides which had the typical holes and cuts of a cardboard. I wanted to cover this up in a neat way. Initially I tried putting thick layers of paint over it, but as I realised that this would be very time consuming, I resolved to sticking long pieces of paper along the border, over which I painted later on. I found that the use of the paper really helped and the edges look a lot cleaner and nicer.

The last was how to attach the swivel pieces at the back. Initially I was planning to use toothpicks with the ends taped up, but then as I realised this would be ineffective I decided to screw in these pieces instead. However I found that the force of the removable piece was causing these swivel pieces to bend slightly. So I decided to pin in 4 nails between the swivel pins on each side to hold down the removable piece and reduce the impact. It was quite effective, and it is very easy to remove as well, it simply needs to be slid out with the fingers.

Overall, my product I feel looks grand! I love the use of the different materials and the idea its self of putting useless material together to give it some use. I like how I have taken simple things like, toothpicks and formed them into careful designs. My creativity has really helped me in this project, and I think my frame looks very nice and attractive. The ease of use, is as mentioned before, good. The pieces swivel well and the removable piece just needs to be gently tapped in. I hung my frame on different walls and it looks excellent as it blends in very well with my mother's other hangings and yet it stands out, because of its elegance.

I tested my product a number of times. First by opening the back and actually inserting the piece to be framed and then closing it and locking it shut with the swivel pieces. I then hung it on different walls in my house in different places. The frame was of an excellent size and fitted in well with everything. Also since most of the hangings I have at home are brown colour, the frame blended in perfectly. Pictures of these tests are shown in my journal.

The intended user, or the person I made it for was for my mother. She was very fascinated by how I had used so many different junk materials to make a frame. She really liked and appreciated my creativity. She liked especially the design I had made with the toothpicks and was quite surprised when she saw it was out of toothpicks. She said my choice of colour was excellent as all the colours on the frame blended in together, and also the frame blends in with the colour of the material framed. She liked the use of the silver pieces because she felt that it matched well with the mirrors on the craft.

I also asked other people such as family and friends of different age groups. All of them felt most of all, that the frame was very creative and attractive. Some commented that it really looked grand and that the use of colour was also really good. Some commented on how even though I had used simple material the final product looked so grand.

There were certain improvements I may have made to my product. Firstly, I should try to get a firmer plastic sheet which I did not have access to since I was required to use recycled material from home.

I found that the swivel pieces I had made out of cardboard were not strong enough and were bending under the force of the removable piece. So next time it may be advisable to use something stronger made perhaps out of recycled wood like MDF wood.

Next time I think I might use recycled wood to make the frame so that it may be more strong and durable overall.

Using wood for the main base would also solve the problem of the few pieces of the stuck down décor that are parting due to the changing level of the board. I might otherwise use an even stronger glue and press it down hard.

I am fond of mirrors, so next time I must try and get hold of actual mirrors instead of the garland pieces.

In this project, I was again very organised with my work. I took everything step by step. I did follow the design cycle well. First I did a large amount of research on this project. I then planned- using my research where ever necessary to help me- with different ideas and a step by step plan following my final selection- a combination of my favourite designs and patterns. Next I created. I followed my plan quite well although I made some changes so in some places I slowed down but then caught up soon. During the create stage, I recorded each process in the journal as well as the changes made. Along with this, I also took pictures of the various processes throughout the stage. I always planned my time carefully and prepared well before carrying out a task. I did not need to make a cutting list for my project because in each step in my step by step plan, I had all this information, such as sizes, material, equipment, time etc. Lastly, after completing my project I evaluated it.

The social significance of my product will be mainly to the environment. This is because if more items were made using junk material, there would be a lot less wastage and then even junk would be able to put into effective use. The significance in terms of people would be to anyone at all who would like to frame something of theirs. It would make them more happy to be able to display their crafts in such a way. They would also feel happy that even a recycle-made frame can look very attractive and perform the same function as a normal frame.

The frame would affect the room it is in because it would enhance the looks. The frame looks very attractive and elegant and that certainly would look very attractive in well lit room.

The pros of my product are:

- It is a very creative idea
- It looks very neat
- It fulfills the purpose
- It fulfills the problem, need and design brief
- It has a simple function
- It is extremely attractive
- It is convenient to use
- It is safe, reliable and durable
- It has been made fully with junk material
- It fully fulfills the design specification
- It has been finished by the due date

The cons of my product are (as mentioned in improvements):

- The reflecting plastic sheet
- The base material
- The bending swivel pieces
- Lack of mirrors

I feel I worked very well during this project. I stuck to my plan whenever possible although I did make certain changes only to improve the quality of the work. I recorded each process in the journal and took pictures as I proceeded. I found my way around problems well finding solutions that helped my project. The difficulties I faced are as mentioned in n.2 under the improvements. Other than that sticking down small parts was a little tricky as well but I didn't find it that difficult. I didn't find any part of the project easy as such because each part I found required a lot of patience and care. The parts that were perhaps easier than the rest would have been sticking down the larger pieces. I didn't find any part of the project boring at all. I really enjoyed it because it involves things I am good at and enjoy doing such as art and crafts. I am creative and so I really enjoyed experimenting with different patterns designs. So I found most of the remaining part of the project very interesting and enjoyable.

A skill I learnt was handling things extremely gently. This was very important in my project because I had many small parts that needed care. I managed my time very well. I tried following my plan where ever possible and worked at a good rate. When I had any problems I asked peoples opinion, took advice and tried to think of solutions myself as well. But other than verbal, I did not need any other help because I was managing very well with all other areas of the project.

I was motivated all the time especially because I really enjoyed what I was doing and stayed focused at all times. I put in a lot of time and hard work to try and produce something to the best of my ability which I feel I have accomplished!