

## Action Plan

### **1<sup>st</sup> Action Plan-Term 4 2000, Week 1-5**

1. Research magazines, in shops, Internet, woodworking books and other existing designs to get ideas about my buffet.
2. Incorporate my ideas into existing designs.
3. Talk to woodworking experts to get their opinions on my ideas.
4. Research the existing piece of furniture that my buffet is to replace and improve on it.

**Evaluation:** Researching the magazines, woodworking books and other existing designs went quite well. Here I found many designs but looking on the Internet I came up with nothing as I couldn't find much to do with buffets. My idea of a wavy type buffet was put into practice with many drawings being drawn showing my own designs and ideas of the buffet. In speaking with Cameron Hutchison from Hutchison Cabinets, it was suggested that melamine be used for the inside, as this was a good framework to work with.

The existing piece of furniture being replaced was measured to get a rough idea of the possible size and also the drawers and cupboard space was looked at carefully as this was an area needed to be improved upon.

### **2<sup>nd</sup> Action Plan-Term 4 2000, Week 6-11**

1. Come up with my final design.
2. Research timbers and prices of timber.
3. Improve on my own design.
4. Start folio, collecting research and filing into folders.
5. Research accessories. E.g. handles and hinges.

**Evaluation:** The initial design of my buffet was quite an easy process as I knew exactly what I wanted to create. The only problem I had designing my buffet was coming up with a good shape to do the drawers and doors in order for it to look aesthetically pleasing and with a decent amount of curve in it. As I had a limited area the wave effect could protrude out, and I wanted to achieve a wave look that was pleasing to the eye. The timber (Ash) was chosen particularly to match in with existing piece of furniture that it was to be placed next to.

Prices were researched and I found that Grants Home Hardware was the best place to purchase my timber as they had a wide selection of sizes. As an assignment was due which involved folio work the folio got underway, with research and plans for the design of my buffet, this research also involved looking at handles, hinges and draw runners. The drawer runners were decided on but the hinges and handles were not yet chosen

## 5<sup>th</sup> Action Plan-Term 1 2001, Week 6- 11

1. Construct drawers and add drawer runners.
2. Purchase timber (**Ash**) for Facia and sides from *Grants Home Hardware*.
3. Use biscuit machine to join timber together for sides and centre piece.
4. Cut centre piece and sides to size.
5. Cut and chisel out the half-lap joints on the centre piece, top rail, middle rail and bottom rail.
6. Sand timber using electric sander.
7. Glue, clamp (*using sash clamps*) and screw the centre piece, top rail, middle rail and bottom rail onto the carcass.
8. Screw sides onto carcass.

**Evaluation.** Construction of the drawers was done and the drawer runners were put on and tested in the drawer runners of the carcass, they ran quite smooth. The timber for the facer and sides was purchased and cut to the right widths except one piece of the timber which was for the middle rail which was supposed to be 43mm wide but ended up being 38mm wide. This piece was returned and without any hassles it was replaced. The laminating of the sides was then done but had to be put through a thicknesser in order to achieve a smooth surface. This I achieved, once again through invitation from Hutchison Cabinets using their thicknesser as the thicknesser at school was not wide enough. The cutting of the sides was also done at using the Altendoph Universal sliding saw.

The centre piece however was put through the thicknesser at school and cut on the bench saw to size. The cutting and chiselling of the halving joints was achieved but for some reason the centre piece was cut too short and some of the halving joint was showing, this was to be hidden behind the kick rail so it did not matter. The electric sander was used to achieve a smooth surface, further hand sanding will be done later in the process. The gluing and screwing of the facer and sides was not achieved at this time as I ran out of time, this process will have to be done next term.

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## **Final Evaluation.**

### **Costs.**

<b>Melamine</b>	<b>\$63.28</b>
<b>Ply</b>	<b>\$11.80</b>
<b>19mm ash</b>	<b>\$127.80</b>
<b>Doors and drawers</b>	<b>\$50.00</b>
<b>Tabletop</b>	<b>\$50.00</b>
<b>Glue, screws and plugs</b>	<b>\$5.00</b>
<b>Drawer runners</b>	<b>\$9.60</b>
<b>Ultraseal 800 sanding sealer</b>	<b>NIL</b>
<b>849 Amercat Clear lacquer</b>	<b>NIL</b>
<b>Hinges and handles</b>	<b>\$12.42</b>
<b>Total.</b>	<b>\$329.90</b>

**Evaluation. My initial finance allowed for my buffet was \$600, and as I was able to purchase my materials at cost price through Hutchison Cabinets and F&M Woodware I was able to cut this cost by almost half.**

**Because of my fathers workplace (Ameron Coatings)**

**The sanding sealer and lacquer was a large cut in the price, is if it had to be purchased you'd be looking at a costing of around \$50.**

**My finance plan was achieved with the costing of the materials coming in at \$329.90.**

**This price, for a strong and durable buffet is an excellent costing considering that an article of this type to purchase can be anywhere from \$1000 to \$2200.**

**(The following receipts show the costs as well as the places of purchase)**

## **Sealer and lacquer information.**

**I selected to use Ultraseal 800 sanding sealer to be sprayed on to job before the lacquer because it leaves a smooth surface and finish. I had used the sealer for a project in year 11 and was very pleased with the finish. I had three gloss levels to chose from the 849 Amercat clear lacquer and selected 50% gloss because 100% left to much of a shiny finish and 10% was to thin.**

**Information for the SEALER and also the LACQUER are on the following pages. The information shows why they were the best products to use.**

## **Time Plan Evaluation.**

**The initial time plan at first was followed for the first seven weeks with research being looked into.**

**The amount of folio that had to be done for the project proposal, oral presentation due at the end of term four was quite a considerable amount so my time for folio was increased by a week.**

**The construction of my buffet started earlier than first planned which was just as well, as it also went for a lot longer than first expected which meant it needed all this time to be constructed.**

**The planning that went into the project was done in less time than first planned as I wanted to get stuck into the construction and some further planning was done throughout the construction.**

**The time spent on the folio towards the end was cut considerably by three weeks due to lack of stamina.**

**Even though my initial time plan was not fully followed my time was still used wisely and a well designed and constructed Buffet was achieved.**

## Resources.

**Resources that I plan to use in the design and construction of my buffet include:**

- \*Internet.**
- \*Woodworking magazines.**
- \*Woodwork Books**
- \*Expert knowledge.**
- \*Schools Equipment/tools.**

**Evaluation The Internet had very little amount of impact on my design of buffet as I found nothing on it that could be utilised. However in the magazines and books there were many designs of furniture that were used in the design of my buffet. The knowledge of woodworking experts from Hutchison Cabinets was used throughout the process of making my buffet with advice and tips being given to ensure a well designed and constructed piece of furniture was made. The tools that could be used at school were used to their full potential and some work was carried out at Hutchison Cabinets due to the tools and machinery not being available at school.**

**This style of Buffet doesn't show much in the way of waves and curves but I particularly like the timber used. It looks rustic and would look great in a home with matching furniture. It has a very unusual grain. The way the drawers and cupboards are set out look quite appealing to the eye.**

**This buffet does however consist of curves on the sides of it which I find quite appealing and also very well thought out with the handles also matching this type of curve. One thing that I don't like about it is the timbers grain. That is it doesn't really have any, which makes me believe that the timber could be a veneer and not solid timber, which is what I am hoping to use.**

**This style of buffet consists of framed cupboard doors, which looks particularly pleasing to the eye as well as the dovetail type joins that have been used.**

**I am most impressed with the size of the drawers in this buffet as this is similar to what I want to achieve with my own buffet in order for larger things to be stored.**

**This design of buffet doesn't really consist of many curves but the idea of the framed doors and larger drawers will certainly be looked at when designing my own buffet.**

**This buffet though very plain shows a good amount of storage space with four cupboards and four drawers. The set out of these is quite well thought out in rather a different format with the drawers being in the middle. Once again framed doors are used which shows that maybe framed doors are the way to go as they look most appealing on a buffet. I have noticed that a lot of buffets consist of framed doors.**



## **Materials**

**Part**            Top, sides, drawer/door, kick board & back arch

### **Possible Materials**

- Red Gum
- Laminated Ash (solid)
- Laminex
- Maranty
- Murray Pine

**Material Chosen:**        Laminated Ash (solid)

### **Reason:**

- Matches other areas of my home
- Gives solid timber affect
- Reasonably priced
- Matches other piece of furniture
- Hard wood (last a long time)
- Easy to work with

**Part:**            Interior, Drawers

### **Possible Materials:**

- Laminated ash
- Timber veneer
- Melamine
- Plain craft wood

**Material chosen:**        Melamine

### **Reason: -**

- Easy to construct in relation with construction methods
- Moisture resistant with relation to spillage of liquids
- Able to have modern day hinges and drawer runners mounted