Choose a good thick solid gourd for your whale, the tail can be curved or straight what ever pleases you. The thicker the gourd the better it will withstand the work we have to do to it. You can sand the ontside if you like or leave a little roughness feel as the Whale has barnacles on its hide naturally.

Step one: We will mark the mouth area by tracing a pattern appropriate to the size of the whale. Place the pattern so the blossom end is covered and in the lower area of the mouth. We will then burn the baleen lines on the mouth piece, you don't need to burn all the way to the bottom of the piece. We will be turning this up side down and gluing it to the top of the opening. You will mark the eyes, blow hole, and the approximate location for the flippers. We will also mark and burn in the gut expansion lines on the bottom of the whale.

Step Two: We will use a exacta knife for starting the cut out of the mouth on the bottom of the mouth area. Cut opening with your saw. Carefully lift out the mouth piece from the gourd. We will clean and sand the under side of this piece and glue it back into the hole later. The inside of the gourd will be cleaned the seed ball may need to be broken up so all the fiber can be removed from the mouth hole. The inside is scrapped and carefully cleaned as clean as you possibly can. Don't put to much stress on the mouth or it will break!!!!! The tail area has to be clean too. Once it is cleaned thoroughly, sand if you can, it will be painted inside. I like to use Black mixed with some varnish to seal the inside. Now it has to dry before we go on.

Step Three: Choose the style of Flipper you want and determined how large they need to be to blend with the whale. The flippers and Fluke will be cut from another gourd one thick and strong. It will need to have some curve to it so it blends with the whale. You will cut 2 but remember they have to be opposite one for right side and left side. Curved to accommodate each side. I Cut the flipper with a notch to hook inside the whale, this gives it a little more support and makes it stronger. The Fluke or Tail will be cut too it can have a curve making it fip or slant to one side or the other. I get this from cutting a piece from a bottle gourd neck area it needs to be wide enough to go with your whale. All these pieces are scrapped, cleaned and sanded till the under side is smooth. The edges are sanded in a bevel top and bottom, to give them a streamed line look. Also try not to leave sanding ridges on the edges make smooth sleek lines. The under side can be painted like the inside of the whale or blended with the color you choose for the outside.

Step Four: The mouth piece is fitted into the hole with the straight side up into the top of the whale. Fitting and working takes time. Some go in whole, some have to be cut in half and placed into the opening one piece at a time. This is a small opening and some fingers will not work consider this when you are choosing the whale body. A fuller head will give you a little more space to work in. I have had to fit them in both ways either works but if you cut it you have to work the pieces to fit right. Once they are glued I hold them in place with little clamps pushing the underside close to the body as tightly as possible. This has to dry before going on. I have always used the E-6000 glue for this step, it gives me time to work with adjusting before it sets up. It, the glue, can be painted and the excess pulled off with tweezers.

Step Five; Once the whale mouth is dry you car cut the Blow hole, the slot for the Tail and the flippers. Trace the curved shape of the end of the flipper on to the side of the whale I try to make the cut as close in shape and width to only let the flipper slip in to the slot fitting as close and tight as possible. WITH OUT MAKING TO MUCH STRESS ON EITHER THE BODY OR THE FLIPPER. The better the fit the less fill you need around the area. I like to use my cutting wheel for this cut instead of my saw I have more control with the wheel. I trim and fit several times to get it right. The tail hole is harder to cut because you are cutting through the stem area and it is very hard. Some times it simply cuts crooked and that gives the tail a flip to one side or the other. When you get the fits right and are happy you will glue the flippers and tail in place. This has to be done one at a time so you don't dislodge any of the pieces.
I have used wood glue mixed with gourd dust to fill the space, I have also used PC-Lumber epoxy putty. This is paint able and flexible to fill gaps.
Once the glued parts are dry I usually paint it with oil paints. I will let you paint on you own.




## Greetings to all

 can finish it in shorter tine that would be great but I want to allow enough tine to complete the whales.
I would like to spiel the class so we have no more than 10 at each session so 1 wi l have 4 che the whales.
Rochester patch location and 2 at my home 3104 N .36 th
in Boise. The Sat. classes will be the 21 and 28 of March
4:00. If you want to bring a lunch that would be fine. It would be good for you to prepare your stand it
this when we are on the $2 n d$. day of the class. I will have be drift wood or something from the craft store. You will need
This is the supply list for the class, you will need to bring these items if possible.

1. One gourd for the body, with mold and dit removed, ready to craft.
2. Gourd pieces to out the fins and Flukes from. This needs to be large en
cut from another rounded gourd.
The Fins are longer than the side of the Whale, the Flukes wide as the whale body and have a slight curve.
Think of your proportion.
3. A wood burner and rounded tip or spoon tip that you prefer to use.
4. Dremel, cutting wheel, small drill bit for blow hole.
5. Saw to cut mouth, Flukes, and Fins
6. Small clamps for holding mouth in place.
7. Sandpaper fine grit.
8. Riffle files if you have some.
9. A small flexible ruler.
10. Your stand.
11. soft sander or power sander
12. Pencil, \& eraser
13. Cleaning tools for removing insides

I will furnish

1. The Glue E-6000
2. Wood glue and Epoxy
3. Paint for the inside
4. Pattern for Fins \& Flukes

5 Doweling
My goals to teach you the fundamental of making the Whale. I have tried to stream line the instructions so if may be possible to finish this in 2 cases. Some will work faster than others. We can be flexible I dort want to take up to many days doing this class.

I would ike to have a list of people who want to take the class so I can arrange both sessions to give every one a spot that want to take the class.
Please call me or e-mall 208-344-9893 dbgamel@q.com Sign up and pay assures your spot.

