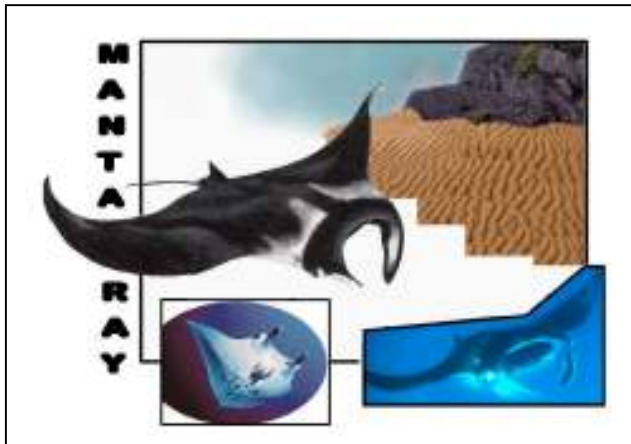


## Power Carve and Paint a Manta Ray

Instructor: Dennis Drechsler, Marine woodcarver



### TOOLS AND MATERIALS REQUIRED

This is a power-carving course and students will need to supply their own flex-shaft power carver and a tabletop dust collector. Airbrushing will be used, but you do not need to have used an airbrush to take the course as full instruction is given. **If you have an airbrush and small compressor, please bring it.** If you have never used an airbrush and wish to buy one to bring to the course, the Iwata SAR (recommended) can be purchased for under \$100 and will be used in this course. The instructor will supply a compressor.

1. A small table-mount dust collector like the Razaire 530.
2. ¼" flex shaft power carver (a micro-carver is good for small work) but not as a replacement for a Foredom, WeCheer, Mastercarver or similar. (Please do not bring your Dremels other than the heavy duty Model 732)
3. Large hand-piece (1/4" collet)
4. Small hand-piece (1/8" & 3/32" collets)
5. 1/4" carbide such as Kutzall or Typhoon (ball nose is best)
6. 1/4" cushioned sanding drum
7. selection of small bits (diamonds, stump cutters, carbide burrs, typhoons, a split mandrel, etc:)
8. a micro-carver if you have one, but not necessary if you do not
8. Swiss sandpaper, 80 and 220 grit ●
9. 5 minute epoxy glue ●
10. 2 part epoxy putty (Quickwood) ●
11. Liquitex brand Acrylic paints, (Ivory Black, Burnt Umber, Yellow, Ultramarine Blue, Titanium White) ●
12. A selection of 3 or 4 small paint brushes. #4, #6 & #8 with rounded or pointed ends.
13. one ½" round or flat brush for applying base colors
14. one or two clean plastic margarine containers for water and the lids for paint
15. small jar of Gesso ●
16. a good comfortable dust mask or respirator
17. a shop apron
18. pencils and erasure
19. a flex-arm lamp or light
20. hair dryer
21. any Manta Ray reference photos and/or books you can find/borrow

● -denotes items that the instructor will have available for student use.