

Pattern for Life-Size Whale

List of Materials

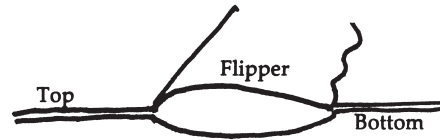
- 1 Black plastic, 4 mil, 24 feet (7.2 m) by 100 feet (30 m)
- 2 Clear/White plastic, 4 mil, 16 feet by 100 feet (4.8 m by 30 m)
- 3 Clear 2 inch (5 cm) wide plastic tape—20 rolls

Tools Needed

- 1 Tape measures, 100 feet (30 m) and 26 feet (8 m)
- 2 Scissors to cut the plastic and tape
- 3 High-speed fan

Steps

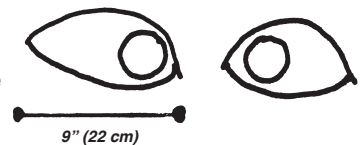
- 1 Lay plastic on 10-foot (1 m) grid.
- 2 Cut out all parts; cut out some of the flippers or tail flukes from the cutout sections of the whale body.
- 3 Tape together the flippers and tail flukes (remember the right and left sides for both), and tape together the top dorsal fin. Do not tape the body (straight side) connection.
- 4 After taping the “fins,” turn inside out, placing the tape seam inside.
- 5 Tape together the cutout sections of the whale’s top section as indicated on the plan.
- 6 Tape together the cutout sections of the whale’s bottom section as indicated on the plan.
- 7 Place the tail flukes and flippers on the bottom section of the whale at their locations.



- 8 Start taping the top section to the bottom section, using the tail flukes as side walls where they connect to the body; start at the tail section on each side and work toward the mouth area.
- 9 Do not tape the end of the tail section together.
- 10 Mouth area—the clear/white plastic will have to be pleated to meet the side area taping; start in the center of the mouth and work out the sides—about 2 inches (5 m) for each pleat.
- 11 Once the whale is fully taped, place the fan in the tail opening and inflate the whale. One person will go into the whale to the nose section and pull the nose section out through the tail opening, inverting the seams and letting the flippers and tail flukes to the outside.

- 12 Mount the top dorsal fin on the black top section in the center of the tail section about 58 feet (17.4 m) from the front of the whale.

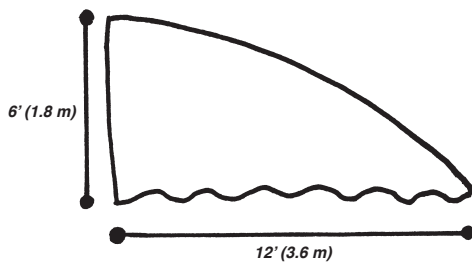
- 13 Place the 9-inch (22 cm) eye drawings on the top section, just in front of the flippers. 9” (22 cm)



- 14 Inflate the model with the high-speed fan; step back and give it room.

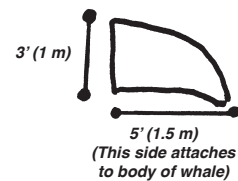
Tail Flukes

2 black and 2 clear/white pieces
(Will create right and left tail sections)



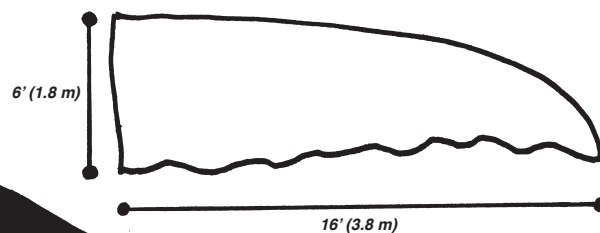
Top Dorsal Fin

2 black pieces



Flippers

2 black and clear/white pieces
(Will create right and left flipper sections)

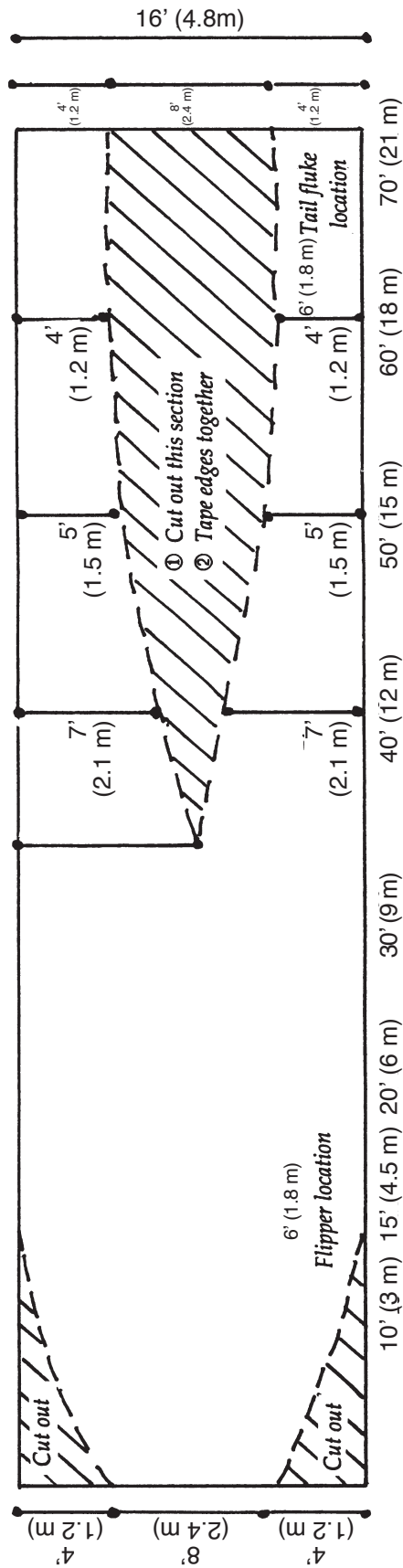
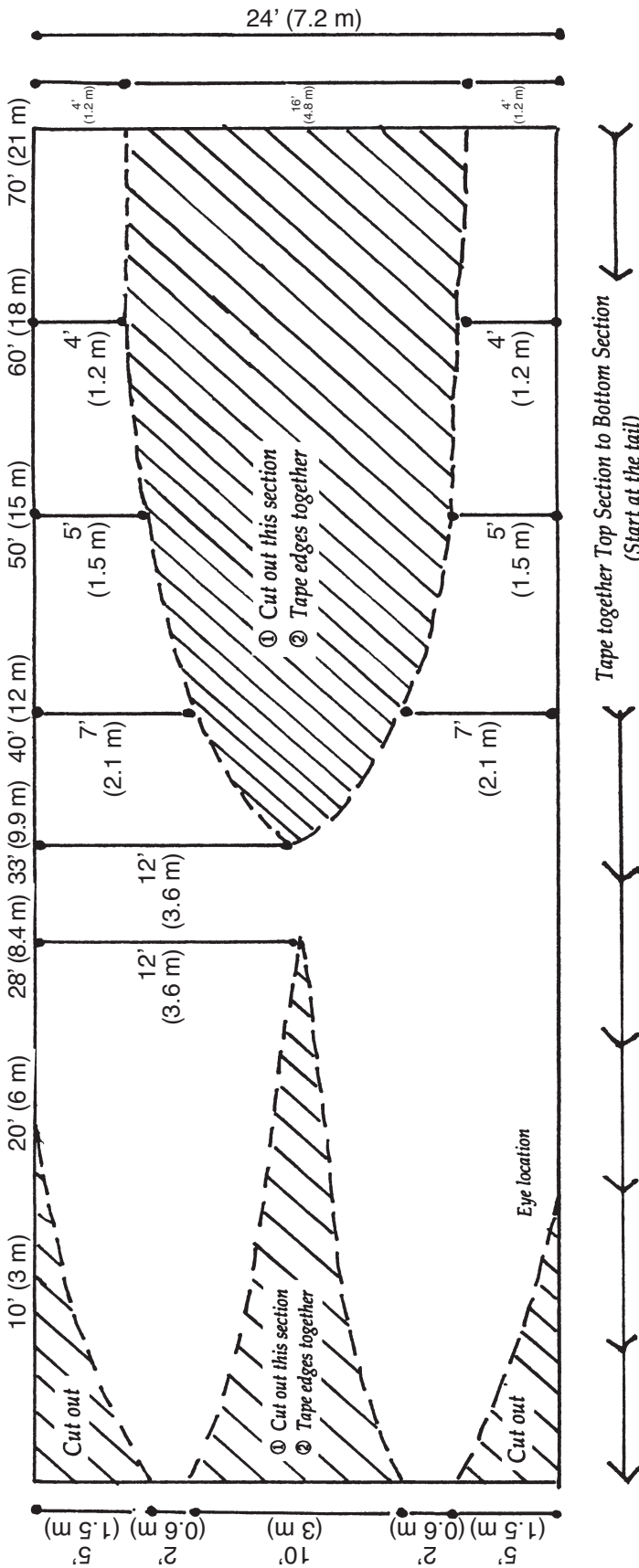


Activity courtesy of Needham Science Center, Needham, Mass.

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Top Section
24' x 100' (7.2 m x 30 m) 4 mil black plastic



Bottom Section
16' x 100' (4.8 m x 30 m) 4 mil clear/white plastic