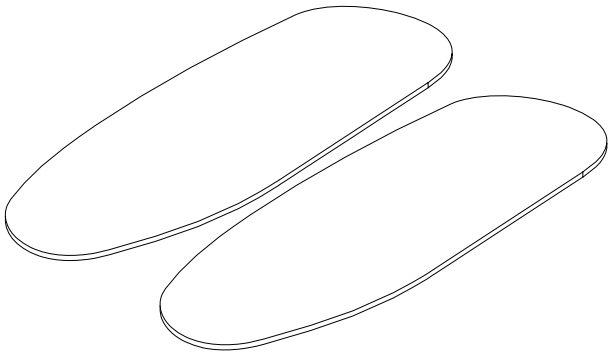
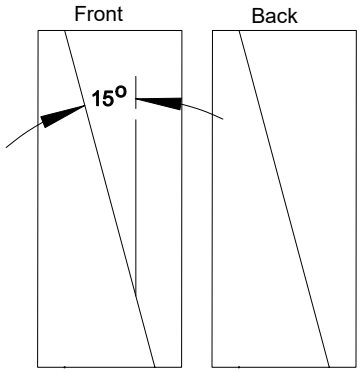
1.



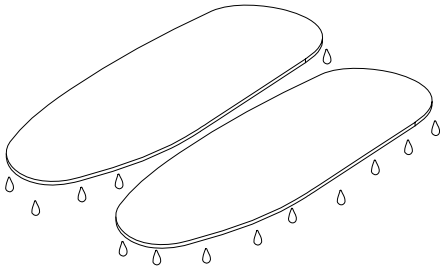
Cut the propeller blades from sheet balsa wood.

2.



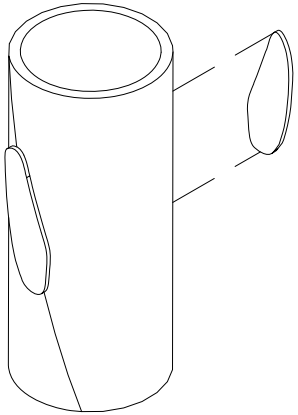
Locate a cylinder that is about 80 mm in diameter. Draw a line on the cylinder that is slanted 15 degrees as shown. Rotate the cylinder 180 degrees and draw another line that is slanted 15 degrees.

3.



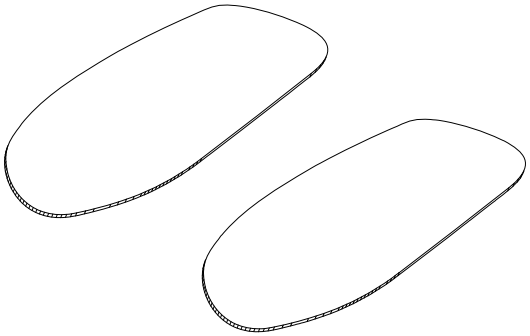
Soak the balsa wood propeller blades in water for approximately 10 minutes.

4.



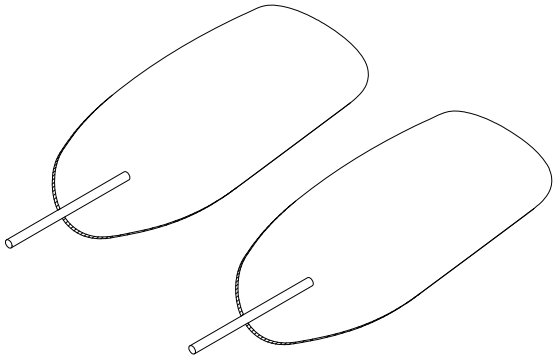
Place a propeller blade on each of the lines on the cylinder. Wrap tape around the top and bottom of the blades to hold them to the cylinder. Let the blades dry thoroughly.

5.



Remove the propeller blades from the cylinder. Sand them lightly to remove any rough surfaces.

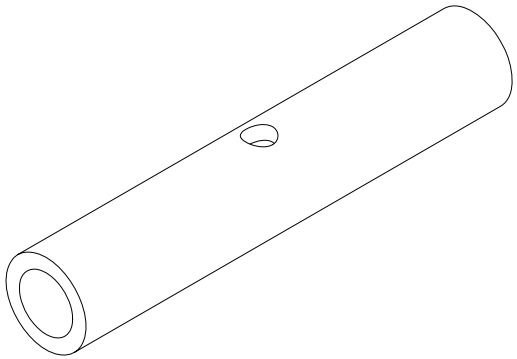
6.



Make two spars for the propeller. Bamboo is a good material. It can be cut from skewers and sanded round.

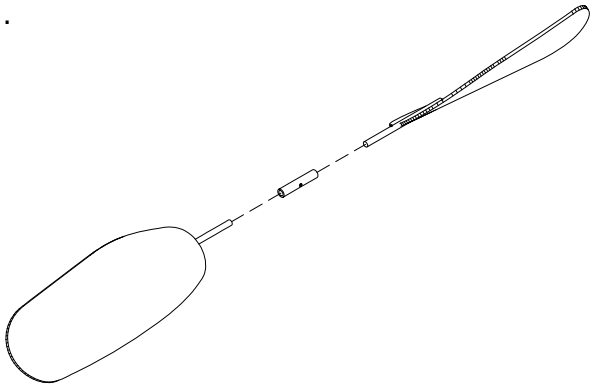
Glue the spars to the propeller blades. They can be glued to the back side of the blades.

7.



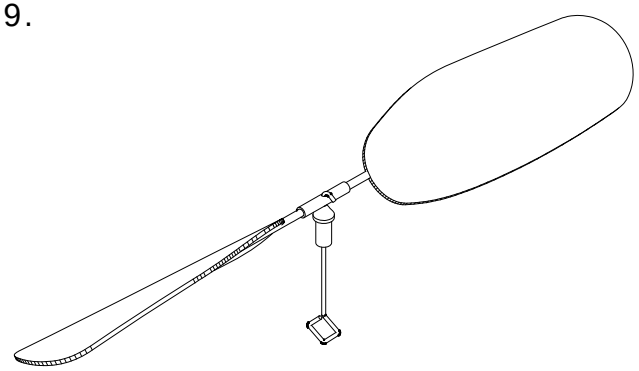
Make a propeller hub from aluminum tubing. Select a tubing diameter that matches the diameter of the propeller spars.

8.



Insert the spars into the hub. Apply some glue to the spars before insterting them in the hub. Place the propeller on a pitch gauge and set the pitch of each blade before the glue dires.

9.



Insert the propeller shaft with a bearing installed through the hub. Bend the end of the propeller shaft around the hub.