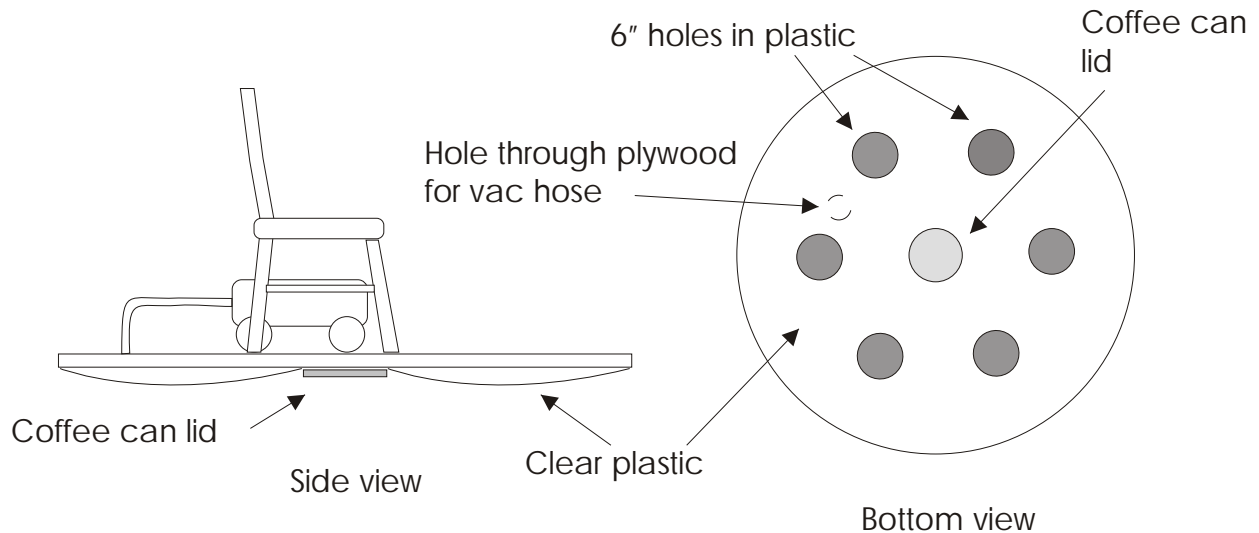


## Hovercraft Plans



First cut  $\frac{3}{4}$  inch plywood into a 3-foot diameter circle. Sand edges smooth. Drill a hole all the way through the plywood 10" from the center of the circle. The hole should be the same size as the hose of the vacuum cleaner you are going to use to power the hovercraft. It hose should fit in the hole tight. Turn plywood circle over to what will be the bottom and stretch heavy clear plastic (as thick as you can find at the hardware store) over the bottom, over the edge and onto the top of the hovercraft. Staple the plastic onto the top with a staple gun. The plastic should now be stretched tight on the bottom of the hovercraft. Trim off extra plastic. Turn hovercraft so that plastic on bottom is showing and mark six 6" circles so that the centers of the circles are 10" out from the center of the hovercraft. The circles should all be evenly spaced and should not be directly over the the hole cut out for the vacuum hose (very important!) Use a razor knife to cut out the six holes in the plastic.

Finally take a 6" plastic coffee can lid and screw it firmly to the bottom of the hovercraft in the center and over the plastic. This holds the plastic down in the center. You may now want to take an old bike tire and tack it on around the edge of the hovercraft to protect the plastic and make it last longer. Turn the hovercraft so that the plastic is down, put the hose of the vacuum in the hole and set the vacuum to blow out. Put a chair on the hovercraft to sit on and turn on the vacuum. It should be able to hold up to 240 pounds. Have fun.