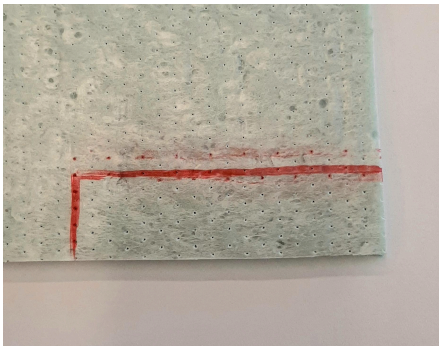
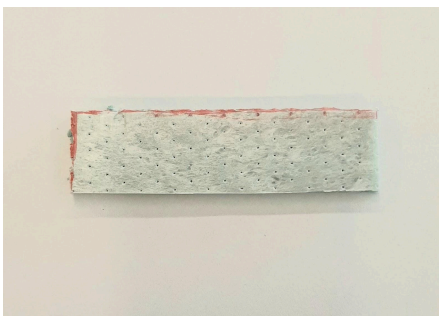


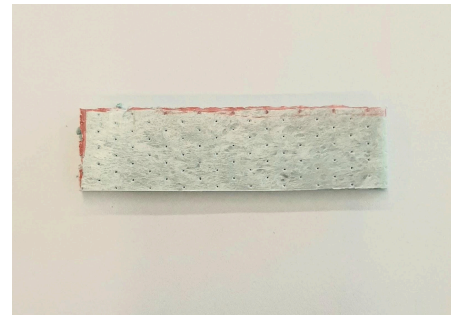
- 1) On the *plastic side* of the thin foam insulation board, draw out the shape that you want for the paddle. **Note:** *the maximum size your paddle can be is 7 in<sup>2</sup>, and the height cannot be larger than the width. Remember that your paddle is buoyant, and if there is too much foam, your paddles will float.*



- 2) Cut out the paddle.



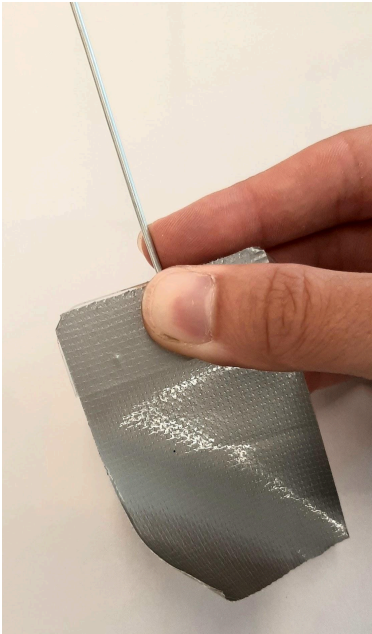
- 3) Wrap a piece of duct tape around the foam paddle as shown below.



- 4) Place a strip of duct tape on the acrylic upper hinge. Leave enough excess on the bottom so that the duct tape holds to the paddle.



- 5) Press the duct tape into the acrylic so that the bond holds.



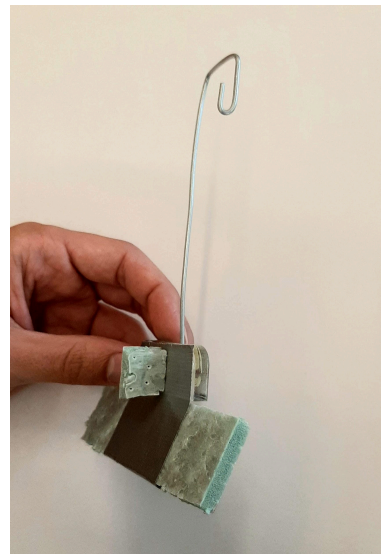
- 6) Attach the *non-plastic side* of the paddle paddle to the duct tape, making sure the paddle is snug against the acrylic.



- 7) Cut a small trapezoidal piece of foam the same height as the upper part of the hinge. This will be the paddle angle limiter. Cut one end on an angle between  $45^\circ$  and  $90^\circ$ .



- 8) Use hot glue to attach the angle limiter to the duct tape on the upper part of the hinge.



- 9) Repeat for the other paddle.