

## Activity 1.3.4 Measurement Lab - Skimmer Grading Rubric

Elements	Weight	10 Points	8 Points	6 Points	4 Points	2-0 Points	Total
<b>Measurement</b>		Main body panel, fins, and air scoop are measured accurately.	One measurement is incorrect.	Two - three measurements are incorrect.	Four - five measurements are incorrect.	More than five measurements are incorrect.	
<b>Cutting</b>		Main body panel, fins, and air scoop are cut neatly and accurately.	One skimmer component has not been cut neatly and accurately.	Two skimmer components have not been cut neatly and accurately.	Three or more components have not been cut neatly and accurately.	Sloppy cutting has significantly interfered with the skimmer performance.	
<b>Assembly</b>		Fully assembled: <ul style="list-style-type: none"> <li>• Air scoop facing the correct direction.</li> <li>• Air scoop edges are flush with the main body panel.</li> <li>• Air scoop allows air to pass between itself and main body panel.</li> <li>• Fins are attached to the outside flaps of the main body panel.</li> <li>• The angles of the fins are facing the front of the main body panel.</li> <li>• The rear flap of the main body panel is reattached to the main body panel.</li> <li>• The rear flap of the main body panel is attached at the correct angle.</li> </ul>	Fully assembled, but one or two features not assembled correctly.	Fully assembled, but three or four features not assembled correctly.	Fully assembled, but more than four features not assembled correctly.	Partially assembled or not assembled.	
<b>Workmanship</b>		Smooth taping and/or gluing. Folding on the lines, crisp, and at 90 degree angles.	Adequate taping, gluing, and folding.	Taping or gluing not smooth, or folds not crisp.	Taping, gluing, and folding needs improvement.	Sloppy taping, gluing, and folding.	
<b>Performance</b>		Hits the wall	Hits the wall	Hits the wall	10' – 19.9'	Less than 10'	