

# Grading Rubric- Sailboat Design

Staple this to the back of your report



Boat Name \_\_\_\_\_

Requirements		Out of
<b>Abstract</b> <ul style="list-style-type: none"> <li>• Statement of Purpose</li> <li>• Summary of Results</li> </ul>		3.0
<b>Design</b> <ul style="list-style-type: none"> <li>• Google Sketch Sail Plan</li> <li>• Clear but brief description of design choice</li> </ul>		4.0
<b>Data</b> <ul style="list-style-type: none"> <li>• Calculation of ratios pertinent to design choice                             <ul style="list-style-type: none"> <li>○ Displacement-Length Ratio</li> <li>○ Ballast-Displacement Ratio</li> <li>○ Hull Speed</li> <li>○ Sail Area-Displacement Ratio</li> </ul> </li> </ul>		5.0
<b>Results, Analysis, &amp; Discussion</b> <ul style="list-style-type: none"> <li>• Explain why specific design choices were made using the calculations above and how they all are compatible with one another</li> <li>• Describe the conditions for which your design would perform at optimal efficiency (racing, cruising, offshore, inland, etc.)</li> </ul>		6.0
<b>Comments &amp; Conclusion</b> <ul style="list-style-type: none"> <li>• Wrap it up</li> </ul>		1.0
<b>Overall Format &amp; Readability</b>		1.0
<b>TOTAL</b>		/ 20.0