

HYDRODYNAMICS (RUBRIC) Hydrodynamics - Evaluation Sheet

Trials: Record information about the three trials runs here. Use the data to calculate the Distance Trials Points and the Time Trials Points.

Names: _____

	Distance Traveled (in inches)	Elapsed Time (in seconds)
Trial 1		
Trial 2		
Trial 3		

Distance Trials: Calculated by: Distances (in inches) traveled / Total Track Length x 10 points)

Distance Trial 1: _____ / 144 = _____

Distance Trial 2: _____ / 144 = _____

Distance Trial 3: _____ / 144 = _____

TOTAL = (_____ / 3) x 10 = _____ =

PUT TOTAL HERE >>

Time Trials: Calculated by: Distances (in inches) traveled / Time (in seconds)

Time Trial 1: _____" / _____ sec. = _____"/second

Time Trial 2: _____" / _____ sec. = _____"/second

Time Trial 3: _____" / _____ sec. = _____"/second

TOTAL = (_____ / 3) = (_____/sec.) x 10 =

PUT TOTAL HERE >>

	20 points	15 points	10 points	5 points	
Drawing	Drawing is neatly prepared on 8.5" x 11" paper and accurately reflects the design of the boat. It is to scale. Measurements are included.	Drawing is neatly prepared on 8.5" x 11" paper and accurately reflects the design of the boat, but is not to scale. Measurements are included	Drawing is on 8.5" x 11" paper reflects the design of the boat, but may not be accurate. It's not to scale. Measurements are not included.	Drawing is not neat, is not on 8.5" x 11" paper, is not accurate, or is missing. It is not to scale. Measurements are not included.	
Design Specs-Overall	The boat meets design specs for height, width, and length. It fits in the track properly.	Boat does not meet one of the specs for height, width, and length or may not fit in the track properly.	Boat does not meet two of the specs for height, width, and length or may not fit in the track properly.	The boat does not meet three of the design specs for height, width, and length or does not fit in the track.	
Sail	The sail is a single 6" x 6" piece of paper/cloth. It is not attached to anything outside the boat. It accompanied the boat during the trials.	N/A	N/A	The sail does not meet any of the specifications.	
Performance	Boat doesn't leave the track	N/A	N/A	Boat leaves the track during the trials	
Appearance	Boat is neatly constructed, using a proper amount of glue, tight fitting pieces, and cuts are clean. Boat is decorated/themed	Boat is neatly done, but there is one need for improvement: glue usage, tight fitting pieces, and cuts are clean. Boat is painted or decorated. Theme is not clear.	Boat has two needs for improvement: glue usage, tight fitting pieces, and cuts are clean. Boat is decorated, but quality is lacking. Theme is not clear.	Boat has three needs for improvement: glue usage, tight fitting pieces, and cuts are clean. Boat is not decorated or themed.	
Rules Violation: Contest judge(s) can deduct up to 20 points for a rules violation.					
TOTAL					

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