Science Olympiad 2015-2016 Season Hovercraft Checklist / Data Sheet

Version 2.0

Team #: _____

Tier: _____

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	1	Team Name:
	1. Competitors construct up to 2 vehicles	
	2.b. Vehicle(s) and material impounded	
	2.d. Reference materials secured in 3 ring binder	Competitor Names:
	2.e. Competitors must wear eye protection during set	·
	up and testing of the vehicles.	
	3.b. Vehicle(s) length is >=15.0 cm and <=30.0 cm,	
	and height <20.0 cm	
	3.b. Vehicle(s) length doesn't change during run	
	3.c. Vehicle(s) mass is <=2000.0 g	
	3.e. Vehicle(s), except for propeller/shield, doesn't	Successful Run 1
_	extend beyond track side rails	
	3.f. Vehicle(s) has 1/4" dowel < 5.0 cm from front	Vehicle # used
	edge with top >=30.0cm and <= 35.0cm above bottom 3.f. Dowel(s) has mounted rigid flag facing rear sized	Timer #1 (nearest 0.1 s)
	at least 5.0 cm by 5.0 cm	Timer #2 (nearest 0.1 s)
	3.g. Only commercial batteries <= 9.0 V used. No	
	other energy used or stored.	Timer #3 (nearest 0.1 s)
	3.g. No circuit exceeds 9.0 V	Run Time (Middle value of above)
	3.h. Vehicle(s) has <= 2 propellers and 2 motors	
		<u> </u>
	3.h Propeller(s) diameter <= 14.0 cm cross section and	Successful Run 2
	3.h Propeller(s) diameter <= 14.0 cm cross section and shielded from contact with a1/4" dowel 3.i No brushless motors or I.C.s	Successful Run 2 Vehicle # used
	3.h Propeller(s) diameter <= 14.0 cm cross section and shielded from contact with a1/4" dowel	
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