

<b>2020 Middle School Dragster Rubric</b>		Participant ID# _____		
		School: _____		
#	Specification	Minimum	Maximum	Actual
		mm	mm	
DB2	Body Length	280	300	
DB3	Body Height with wheels		75	
DB4	Body Mass (grams)	50 g	80 g	
DB5	Body width @ axle hole (front/back)	35	42	
DB6	Total Vehicle width (including wheels)		90	
<b>Axles/Axle holes/wheelbase</b>				
AH1	Must have 2 axles per car (quantity)	2	2	
AH2	Bottom of axle bearing to bottom of car	5	10	
AH3	Rear axle hole from front & rear of car	10	100	
AH4	Wheelbase	105	250	
<b>Spacer washers/clips</b>				
S1	Spacer Washers (quantity)		10	
S2	Axle Clips (quantity)		4	
<b>CO2 Cartridge Hole</b>				
H2	Hole Depth	45	55	
H3	Safety Zone Thickness	3		
H4	Chamber Diameter	19	20	
H5	Lowest Point of Chamber to Surface	26	40	
<b>Eyes Screws</b>				
ES2	Inside Diameter	3	5	
ES3	Distance Apart	150	270	
<b>Wheels</b>				
W2	Diameter	30	40	
W3	Width	2	18	
<b>Pass</b>				
<b>Fail</b>				