

Babylon Jr/Sr High School

CO₂ Dragster Competition

Open Competition Registration

Car # _____ Time _____ MPH _____

Competitor's Name _____

Grade Level MS _____ HS _____

Teacher _____

Directions: Fill your dragster's values.

Open Criteria	Open Limitations		Your Dragster
	Maximum	Minimum	
1. Axle Hole: What is the distance from the center of the axle hole to the bottom of the dragster design?		9mm	Front:
			Rear:
2. What is the body length of the dragster design?	305mm	200mm	
3. What is the body height of the dragster design at the rear, from the bottom of the wheel?	75mm	56mm	
4. What is the mass of the dragster?	170 grams	30 grams	
5. What is the body width of the dragster design at the axles?	Front: 42mm	Front: 25mm	Front:
	Back: 42mm	Back: 35mm	Rear:
6. What is the distance from the bottom of the dragster design to the center of the CO ₂ hole?	35mm	31mm	
7. What is the thickness of the CO ₂ housing hole?		3mm	
8. Screw eyes: What is the distance from the front screw eye to the rear screw eye?	270mm	120mm	
9. What is the diameter of the front and rear wheels?	40mm	30mm	Front:
			Rear:
10. What is the width of the front and rear wheels?		2mm	Front:
			Rear:
11. The CO ₂ cartridge must be safely held in position with Styrofoam capsulation or making the cartridge a permanent part of the vehicle.			
12. Material other than a single piece wood construction may be used, provided all materials are safely constructed.			

Teacher's Signature