



Exploring Technologies

Western Technical-Commercial School







Name: _____

Date: _____

Section #: _____

Test and Data Tracking Log Sheet

Dragster Number (section# & Att#) _____ Peer Checker _____

Body Style (circle one)    

Front Wheel type (Plastic injection, Standard, or custom): _____

Rear Wheel type (Plastic injection, Standard, or custom): _____

Design Phase →	Limitations		Initial Tests		Final Tests		
	Max.	Min.	1 st	2 nd	Self	Peer	Teacher
Measurements in mm or grams or meters/sec							
Roll Test Distance							
Roll Test Off Centre to right or left							
Roll Test time for 1 meter							
Drag Force (g)							
Front Axle Force (g)							
Rear Axle Force (g)							
Check Your Specifications							
AXLES (length)	70	42					
AXLES BEARING (diameter)	4.5	3.5					
AXLE HOLE (diameter)	4.5	3.5					
AXLE HOLE (position above body bottom)	9	3.5					
AXLE HOLE (position from either end of body)	100	9					
BRASS SPACER BEARING (diameter)	9	7					
DRAGSTER BODY (length)	305	200					
DRAGSTER BODY (height at rear with wheels)	75	56					
DRAGSTER BODY (mass with wheels)	170.10g	30g					
DRAGSTER BODY (width at axles-front and back)	42	35					
POWER PLANT DEPTH OF HOLE	51	51					
POWER PLANT HOUSING THICKNESS (around entire housing)		3					
POWER PLANT HOUSING (diameter)	20	19					
POWER PLANT C/L (from body bottom)	35	31					
SCREW EYE (eyelet inside diameter)	5	3					
SCREW EYES (2) on C/L of bottom, distance apart	270	155					
WHEELS, FRONT (diameter)	37	32					
WHEELS, FRONT (width of greatest diameter)	5	2					
WHEELS, REAR (diameter)	40	30					
WHEELS, REAR (width of greatest diameter)	18	15					
WHEELBASE (From front to rear axle - distance)	270	105					