

Trajectory Score Sheet 2010 B/C (revised 11/8/09)

Full School Name: _____ Circle One: V JV1 JV2 JV3 JV4

Full Student Names: _____

Check-In:

✓ OR X

- Devices, copies of graphs, and all materials teams will use (except goggles) impounded _____
- Launching force supplied by non-metallic elastic solid _____
- Entire device fits within 70cm cube (B Division) or 60 cm cube (C Division) in ready-to-launch configuration _____
- Triggering device extends out of launch area into safe zone (no radio control) _____
- Projectile(s) is(are) unmodified tennis ball, racquetball, ping-pong ball and/or plastic practice golf ball _____

The Competition:

- Participant warned for not wearing eye protection *Mark violation in penalty box for specific launch*
- Participant in front of launch area at launch *Mark violation in penalty box for specific launch*
- Participant gave no warning prior to launch *Mark violation in penalty box for specific launch*
- Device outside launch area **prior to** or **after** launch *Mark violation in penalty box for specific launch*

Inform team of any penalty received before the next launch.

Scoring:

Launch score: *If no indication is given by student, measure for launches in order listed below.*

Bucket Shot: *Use Close Target Launch 2 and Far Target Launch 2 to document Bucket Shot if used.*

	Close Target Launch 1	Close Target Launch 2	Far Target Launch 1	Far Target Launch 2
Launch specific penalties (100 pts each):				
Distance:	mm	mm	mm	mm
Launch score:				

Close target miss or launch failure = 800mm

Far target miss = actual impact distance

Far target launch failure = distance of far target

Graph Score: *One graph selected by event leader scored. Any page without team name will not be scored.*

	Event Leader Selected Graph	
Complete data table (20 pts)		Event Leader should identify which graph was scored by writing "Scored" on the top of the graph scored and placing his/her signature there. Partial Credit may be given. Total Graph Score = 400 – (# of graphs turned in (up to 4) * Score of selected graph) = _____
Actual graph (20 pts)		
Graph matches data table and is on same page (20 pts)		
Properly labeled graph- title, team name, x&y axis, etc. (40 pts)		
Score:		

Final Score = (_____) + (_____) + (_____) + (_____) = _____

Lower Close Score
Lower Far Score
Graph Score
Penalties

Final Tier: _____

*Tier: Teams that did not meet all requirements under **Check In** are dropped into Tier 2.*

Subtract deduction points for Bucket Shots (if applicable) from Final Score.