

ROBOT TOUR C - 2021 TRIAL



TEAM NUMBER C TEAM NAME _____

STUDENT NAMES _____ FINAL SCORE _____

Mark Violations with 'X' Below; Circle 'Y' to the right if a Violation is found for matching rule Violation Found

Event Parameters

2.a. Impounded	Not Impounded: [] Robot [] USB Flash Drive, if any [] Spare parts, if any	1	Y	N
3.c. Lithium/Lead	[] Batteries contained lithium or lead	2	Y	N
Practice Log Missing: [] Target Time [] Run Time [] Robot Distance from Target [] Gates, if used				
4.a. Parameters	[] 5th Parameter (path taken, robot speed, logic used, ...)	3	Y	N
	[] Less than 10 practice runs recorded			
4.b. Impounded	[] Log not Impounded	4	Y	N

Construction Parameters

3.b. Energy Source	[] Some or all of the electrical energy supplied by other than 'AA' batteries [] More than 8 'AA' Batteries used for electrical energy	Y	N
3.e. Dowel Rod	[] Not approx 1/4" round [] Not approx perpendicular [] Not leading part of vehicle [] Part of robot extending > 0.5cm beyond the dowel [] > 1cm from floor [] < 10cm above floor	Y	N
3.f. Robot Size	[] Robot in ready-to-run configuration extend outside of 30cm by 30cm box	Y	N
3.h. Design Questions	[] Cannot Answer [] Built by others [] _____	Y	N

DOES THE ROBOT HAVE A CONSTRUCTION VIOLATION ABOVE? (IF YES, TIER 3) 5 Y N

5.d. Impound Program [] Competitors did not use impounded program (Tier IV) [] Other files/Internet Used (Tier IV) 6 Y N

Run Attempts

Max of 2 Successful or 3 Failed Runs

	#1	#2	#3	#4
5.f. Successful Run (Maximum of 2)	[]	[]	[]	[]
Failed Run (Maximum of 3)	[]	[]	[]	[]
5.f. Competitors request Failed Run	[]	[]	[]	[]
5.n.i. Run exceeded twice Target Time	[]	[]	[]	[]
5.n.ii. Robot exited the track area	[]	[]	[]	[]
5.n.iii. Time and/or Distance cannot be measured	[]	[]	[]	[]
5.i. Competitors run robot not on event track	[]	[]	[]	[]

5.m. Gate Bonus Gates crossed, dowel first. Record Letter _____

Construction Parameters

	RECORDED SUCCESSFUL	RUN #1	RUN #2
3.g. Robot Parts	[1] [2] All parts do not move as a whole [1] [2] Parts fell off	7 Y N	14 Y N
	[1] [2] Additional parts contacted ground after start		
	[1] [2] _____		

The Competition

5.b. Outside Help	[1] [2] Competitors left or received outside assistance, materials, or communication	Y N	Y N
5.e. AC Power	[1] [2] AC outlet power used	Y N	Y N
5.g. Start Point	[1] [2] Measurement Point (Dowel) not over Start Point at start of run [1] [2] Robot does not remain at starting point without being touched	Y N	Y N
5.j. Cleaning	[1] [2] Substances applied to vehicle without ES prior approval [1] [2] Substances damage or left residue on the track or track surface wet	Y N	Y N
5.k. Pencil/Touched	[1] [2] Pencil not used to start [1] [2] Starting motion not vertical [1] [2] Robot was pushed or held [1] [2] Competitors touched robot before allowed	Y N	Y N

DOES THE ROBOT HAVE A COMPETITION VIOLATION ABOVE? (IF YES, TIER 2) 8 Y N 15 Y N

Run Parameters

7.d. Run Time	Run Time starts when the Vehicle begins to move and ends when the Vehicle comes to a complete stop; recoils are considered part of the Run Time. If the Vehicle does not move within 3 seconds after coming to a stop, the run is considered to have ended; the 3 seconds are not included in the Run Time. Any action occurring after that time does not count as part of the run.	Timer 1	9 _____	16 _____
		Timer 2	10 _____	17 _____
		Timer 3	11 _____	18 _____
7.e. Distance	Distance (point to point) from the Measurement Point to the Target Point measured to the nearest 0.1 cm		12 _____	19 _____
7.f. Gate Bonus	A Gate Bonus is awarded for each Gate crossed in any order. Each Gate may only be counted once.	# of Gates	13 _____	20 _____

7.g.i. Event Time Recorded Event Time _____ Maximum of 12 minutes or time stops at end of team runs 21 _____ Mins 22 _____ Secs

General Rule Disqualified (notify the team and their coach as soon as possible) 23 Y N
Reason _____

Lane Boss _____ [Competitors] Acknowledgement of Recorded Values _____ 20201105r0