

# ROBOT TOUR C - 2023 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	<b>Must Not Continue If 'Yes'. All runs are Failed Runs</b>		2 Y N
Practice/Design Log	Missing: [ ] Target Time [ ] Run Time [ ] Robot Distance from Target [ ] Gates, if used	3	Y	N
4.a. Practice Log	[ ] 5th Parameter (path taken, robot speed, logic used, ...) [ ] Less than 10 practice runs recorded	4	Y	N
4.a. Practice Impounded	[ ] Practice Log Not Impounded	5	Y	N
4.b. Design Log	Missing: [ ] Materials Used [ ] Labeled Diagram [ ] Information about 3D Printer, CNC, Laser Cutter,....	6	Y	N
4.b. Design Impounded	[ ] Design Log Not Impounded	7	Y	N
4.c. Front Cover	[ ] Missing Front Cover with team name & number			

### 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)** 8 Y N

6.d.i. Setup Time [ ] Competitors tested Robot movements during Setup Time 9 Y N

6.n. Obstacles Removed [ ] Competitors choose to run without Obstacles before moving to the track 10 Y N

### Run Attempts

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

6.m. Gate Zone Bonus Zone entered, dowel first. Record Letter \_\_\_\_\_

### Construction Parameters

3.g. Robot Parts	[ 1 ] [ 2 ] All parts do not move as a whole [ 1 ] [ 2 ] Parts fell off	RECORDED SUCCESSFUL RUN(S)	RUN #1	RUN #2
	[ 1 ] [ 2 ] Additional parts contacted ground after start	11	Y N	18 Y N

### The Competition

6.b. Outside Help	[ 1 ] [ 2 ] Competitors left or received outside assistance, materials, or communication	Y	N	Y	N
6.e. AC Power	[ 1 ] [ 2 ] AC outlet power used	Y	N	Y	N
6.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
6.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
6.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
6.n. Contact Penalty	[ 1 ] [ 2 ] Robot made contact with 1 or more of the 2x4 Obstacles	Y	N	Y	N

**DOES THE ROBOT HAVE A COMPETITION VIOLATION ABOVE? (IF YES, TIER 2)** 12 Y N 19 Y N

### Run Parameters

7.c. 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	13	20
		Timer 2	14	21
		Timer 3	15	22

7.d. Distance Distance (point to point) from the Measurement Point to the Target Point measured to the nearest 0.1 cm 16 23

7.e. Gate Bonus A Gate Bonus is awarded for each Gate crossed in any order. Each Gate may only be counted once. # of Gates 17 24

7.g.i. Track Time Recorded Track Time Maximum of 8 minutes (Tie Breaker Only) 25 Mins 26 Secs

General Rule Disqualified (notify the team and their coach as soon as possible) 27 Y N  
Reason \_\_\_\_\_

Lane Boss \_\_\_\_\_ [Competitors] Acknowledgement of Recorded Values \_\_\_\_\_ 20221117r0