

2013 Maine Robot Track Meet

		Number of place:																																					
Town	Team Name	Steeplechase			Slope Climber			Table Navigator			Delivery Mission			Robot Speed Build			Fastest Robot			Strongest Robot			Ping Pong Shot Put (ASSIST)			Ping Pong Shot Put (INDEPENDENT)			Bridge			Walking			first places	second places	third places	Total Score	Ranking
		1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd								
Raymond	Circus Surreal	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	1	8	3
Winthrop	Winthrop Ramblers	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	3	0	2	11	2
Oakland	Messalonskee Middle School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Topsham	Eagles	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	1	8	3
Gardiner	Robo Falcons	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3	1	1	12	1
Gardiner	Robo Tigers	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	7	5
Vassalboro	VCS Vikings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Topsham	Team Bazinga	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	7
Lisbon	Roborats	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2	7	5
Chelsea	Montessori Masons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Chelsea	Stepping Stones Sensors	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	8
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	8
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	8
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0					

MARK EACH 1ST/2ND/3RD ON THE SHEET ABOVE (2 XS IF TWO IN THAT CATEGORY)

FIRST place
SECOND place
THIRD place

Worth 3 points Worth 3 points
Worth 2 points Worth 2 points
Worth 1 point Worth 1 point

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Delivery

	Team Name - And member names if more than one in the team	Trial 1 time	Bonus	Final Time/Score	Trial 2 time	Bonus	Final Time/Score	Trial 3 time	Bonus	Final Time/score	Best of Three	Gold Standard? (Successful to center ring)	Rank
	Example	15.75	-6		16.11	-4	12.11	8.3	0	8.3	8.3	yes	
Eagles	Reese	15.34	-4	11.34	15.75	-4	11.75	INC		100	11.34	no	2
Robo Falcons	Hotham Everett	13.09	-2	11.09	INC		100	12.84	-4	8.84	8.84	no	1
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100
				100			100			100	100	no	100

Enter Time to Complete

Enter the time from when the robot leaves the start square to exiting the rings after delivering the object
 Enter the bonus, if any, and subtract from the time to give the final time.
 Once all teams have gone,
 Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements
 Did not deliver object to rings
 Did not leave after delivering
 Otherwise failed to complete

•Bonus:	Enter:
-Subtract 6 seconds for object delivered to the inner ring	-6
-Subtract 4 seconds for object delivered to the second ring	-4
-Subtract 2 seconds for object delivered to the third ring	-2
-Subtract 0 seconds for object delivered to the outer ring	0

Ranking:
 1. By highest single run (for example 8 cans). High team got 8 cans, next got 7 cans, next got 5 cans.
 2. By highest cululative score (tally all three runs). Two teams had 8 can highest, but one had 24 cans total, the other 20 cans total.
 3. By fastest time of highest. Two teams had 8 can highest and 24 total cans, but one had fastest of 25 seconds, the other 39 seconds

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Speed Build

		Trial 1	Trial 2			
		Trial 1 time	Trial 2 time	Best of Two	Gold Standard? (3.5 minutes or better)	Rank
Team Name and contestant						
Example		3.4573	3.2613	3.2613	yes	-
Robo Falcons	Makayla Wilson	2.4319	2.3884	2.3884	yes	1
Roborats	Adam Dustin	6.0000	3.2797	3.2797	yes	4
Roborats	Ben Willertz	4.2528	3.2034	3.2034	yes	3
Stepping Stones Sensors	Isaac Bell	3.2782	3.0641	3.0641	yes	2
				7.0000	no	100
				7.0000	no	100
				7.0000	no	100
				7.0000	no	100
				7.0000	no	100

Enter Time to Complete

EXAMPLE: 3 minutes, 21.75 seconds (3:21 and 75 hundredths) should be entered as 3.2175 (simple decimal conversion for rank only)

EXAMPLE: 4 minutes, 6.02 seconds (4:06 and 02 hundredths) should be entered as 4.0602 (simple decimal conversion for rank only)

Each robot must be built from scratch, contestants have a 1 minute setup time and a **6 minute max.** build time.

Once all teams have gone,
Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements

- Robot incorrectly built
- Did not finish in time allowed (6 minutes)
- Robot did not operate when complete

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SLOPE CLIMBING, SHEET 1 (to sixty degrees)

		30 Degree	40 D	50 D	60 D	65 D	70 D	72.5 D	75 D	77.5 D	80 D	Highest Slope	Fastest Time at slope	Gold Standard? (60 degrees or better)	Ranking
Team Name - And Robot member names if more than one robot in the team		Time	Time	Time	Time	Time	Time	Time	Time	Time	Time				
Robo Falcons	Robo Falcons, Riann Leblond, Haily Wood, Jared Alexander, Kyle Walker				17.47	19.6	15.09	INC	16.1	15.32		77.5	15.32	YES	1
		0	0	0	17.47	19.6	15.09	0	16.1	15.32	0				
Circus Surreal	Circus Surreal, Jason Geller		8	7.69	INC	8.88	11.69	INC	INC			72.5	12.85	YES	2
					8.19			12.85	INC						
		0	8	7.69	8.19	8.88	11.69	12.85	0	0	0				
Winthrop Ramblers	Winthrop Ramblers, Cameron MacDonald, maguire Anuszewski, Bella		INC		INC							0	0	NO	5
			INC		INC										
		0	0	0	0	0	0	0	0	0	0				
VCS Vikings	Robo Vikings	4.75	4	INC								40	4	NO	4
				INC											
				INC											
		4.75	4	0	0	0	0	0	0	0	0				
Roborats	Robo Rats	24.22	25.28	28.93	INC							50	28.93	NO	3
					INC										
					INC										
		24.22	25.28	28.93	0	0	0	0	0	0	0				
												0	0	NO	100
		0	0	0	0	0	0	0	0	0	0				
												0	0	NO	100
		0	0	0	0	0	0	0	0	0	0				

Time to Complete

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Table Clearing												
Team Name - And Robot # if more than one in the team		Trial 1 time	Trial 1 # of Cans	Trial 2 time	Trial 2 # of Cans	Trial 3 time	Trial 3 # of Cans	Highest # of Cans Removed	Total Number of Cans Removed	Fastest Time at highest can value	Gold Standard? (8 cans in 1 run)	Rank
Example		43.00	6	62.00	8	INC		8	14		Yes	
Circus Surreal	Circus Surreal, Kyle Nelson	70.85	8	23.60	3	23.50	8	8	19	23.50	yes	3
Robo Falcons	Robo Falcons, Hotham Everett	21.97	1	17.63	0	59.03	7	7	8	59.03	no	4
Roborats	Robo Rats, Nathaniel Lay, Aaron Dustin, Zachary Lay	27.59	8	45.54	8	90.00	7	8	23	27.59	yes	2
Team Bazinga	Bazinga, Josh Thiabeaut	28.97	8	40.19	8	22.44	8	8	24	22.44	yes	1
								0	0	0	no	100
								0	0	0	no	100
								0	0	0	no	100
								0	0	0	no	100
								0	0	0	no	100
								0	0	0	no	100
								0	0	0	no	100

Enter Time to Complete and # of cans removed

Once all teams have gone,
Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements

Removed no cans or fell off the table
Or otherwise failed to complete event

Teams time is based on how long they compete. If a team clears 5 and says "we're done" then put down 5 and the time to that point. If they continue on, then mark the time they finish (or 90 if they run the entire 90 seconds).

Settling ties: If two teams have the highest number of cans removed (for example 6) then there are two tie breaking criteria to look at:

- 1: Total for all 3 trials (so add the total cans removed)
- 2: If the total is equal and the highest is equal, then the team to finish in the fastest time in a high scoring run wins.

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Fastest Robot Trials

		Team Name - And member names if more than one in the team	Trial 1 time	Trial 2 time	Trial 3 time	Best of Three	Gold Standard? (under 3.5 seconds or 3500 on NXT)	Rank
Example		Orono Red Riots, Tom & Gail	3455	3569	3670	3455	Yes	
1	Messalonskee Middle School	Messalonskee, Cameron Smith	5842	INC	INC	5842	NO	10
2	Robo Tigers	Robotigers, Audrey Hall, Simon Smith	INC	3100	3022	3022	YES	2
3	Eagles	Eagles, Noah Jasper, Anthony Howard	4222	4370	4236	4222	NO	6
4	Messalonskee Middle School	Messalonske Middle, Jasmine Lambert, Laura Linehan	INC	INC	10908	10908	NO	12
5	Messalonskee Middle School	Messalonskee, Caitlyn Elkins	INC	INC	INC	20000	NO	13
6	Eagles	Eagles, Dakota Hadley	4836	4779	4802	4779	NO	8
7	Roborats	Roborats, Adam Dustin	4096	4158	4144	4096	NO	5
8	Eagles	Eagles, Sebastian Richards	3750	3861	3540	3540	NO	4
9	Circus Surreal	Circus Surreal, Zach Whitmore	4306	4362	4416	4306	NO	7
10	Montessori Masons	Montessori Masons, Tom Gingras, Anastasia Ames	INC	5170	5150	5150	NO	9
11	Stepping Stones Sensors	Stepping Stones Sensors, Isaac Bell, Alex Cousins	INC	INC	6062	6062	NO	11
12	Eagles	Eagles, Hunter Labbe	3302	INC	INC	3302	YES	3
13	Winthrop Ramblers	Winthrop Ramblers, Ben Boulay, Phillip Easterbrooks	2308	INC	2488	2308	YES	1
14						20000	NO	100
15						20000	NO	100
16						20000	NO	100
17						20000	NO	100
18						20000	NO	100
19						20000	NO	100
20						20000	NO	100

Enter time read from the NXT

Enter the number read off of the NXT after each team's trial.
Once all teams have gone,
Send sheet to the officials table to be entered

TIMES ARE IN MILLISECONDS
3584 = 3.584 seconds
Write milliseconds, don't put in the

Enter **INC** for incomplete if the robot does not meet requirements

Did not finish course
Or otherwise failed to complete event

Winthrop Ramblers
Robo Tigers
Eagles

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Ping Pong Shot Put

Team Name - And Robot # if more than one in the team		Assist or Independent?	Points - Trial 1	Points - Trial 2	Points - Trial 3	Best of Three	Cold Standard? (20 points)	RANK		
Eagles	Eagles, Will, Ben, Nathan	A	90	88		90	YES	1	1st place assist	Eagles
Robo Falcons	Robo Falcons, Tim, John, Hailey	A	INC	61		61	YES	3	2nd place assist	Eagles
Robo Tigers	Robo Tigers, Hunter	A	29	36		36	YES	4	3rd place assist	Robo Falcons
Circus Surreal	Circus Surreal, Corey	A	0	9		9	NO	6		
Circus Surreal	Circus Surreal, Jack, Zach	A	INC	1		1	NO	7		
Eagles	Eagles, Zach, Ian	A	65	53		65	YES	2		
Messalonskee Middle School	Messalonskee MS, Delsin, Ryan	A	28	30		30	YES	5		
Circus Surreal	Circus Surreal, Tomas	I	24	36		36	YES	2	1st place ind	Roborats
Roborats	Robo Rats, everyone	I	71	33		71	YES	1	2nd place ind	Circus Surreal
Winthrop Ramblers	Joey Tierney, Cameron MacDonald	I	16	13		16	NO	3	3rd place ind	Winthrop Ramblers
		I				0	NO	100		
		I				0	NO	100		
							NO	100		

Enter number of delivered balls

Each ball in the LOW goal is 1 point
 Each ball in the high goal is 3 points
 Balls in the air at the end of 30 seconds DO NOT COUNT, remove them before counting
 Confirm count with team before getting setup again or leaving

Once all teams have gone,
 Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements
Did not deliver any balls
Was disqualified by team action or robot action
Was otherwise disqualified

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Steeplechase

Team Name - And Robot # if more than one in the team		Points	Time (seconds)	Points	Time (seconds)	Points	Time (seconds)	Highest Number of Points	Time (seconds for highest score)	Gold Standard? (40 points)	Rank
Robo Tigers	Robo Tigers	40	5	40	5	40	5	40	5	YES	2
Winthrop Ramblers	Winthrop Ramblers	30	6	10	4	20	3	30	6	NO	3
Circus Surreal	Circus Surreal	0	0	40	3	40	3	40	3	YES	1
Circus Surreal	Circus Surreal	10	2	0	4	0	2	10	2	NO	4
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100
								0	0	NO	100

Enter Time to Complete or to end of trial

Once all teams have gone,

Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements

- Could not make it over the bump
- LEGO person fails to stay on the "horse"
- Or otherwise failed to complete event
- LEGO Person is attached with something OTHER THAN simply sticking down onto LEGO knobs

Teams time is based on how long they compete. This would be to crossing the finish line OR leaving the field (falling off), getting stuck, or until the team "calls it" and asks to end the trial.

Settling ties: If two teams have the highest number of points, use the following criteria to settle the tie.

1: Total for all 3 trials (so add the total points)

2: If the total is equal and the highest is equal, then the team to finish in the fastest time in a high scoring run wins.

	Points
Get all wheels/treads over the bump	10
Get all wheels/treads onto the hill	20
Reach the peak of the hill	30
Cross the finish line	40

STRONGEST ROBOT - SHEET 1

	Team Name - And member names if more than one strongest robot in the team	Trials	20 pounds	25 p	30 p	35 p	40 p	45 p	50 p	55 p	60 p	Max Weight	Time at Max	Rank	Gold Standard? (40 pounds)
			Time (60 second max)	Time	Time	Time	Time	Time	Time	Time	Time				
1	Robo Tigers Zander Lucza, Gage Poore	1	6.03	6.16	7.55	6.66	6.41	6.78	7.22	7.79	8.22	60	8.22	1	YES
		2													
		3													
			6.03	6.16	7.55	6.66	6.41	6.78	7.22	7.79	8.22				
2	Robo Falcons Jackson Plourde	1	17.03	17.69	17.94	17.9	17.82	18.28	19.59	20.6	20.65	60	20.65	2	YES
		2													
		3													
			17.03	17.69	17.94	17.9	17.82	18.28	19.59	20.6	20.65				
3		1										0	0	100	NO
		2													
		3													
4		1										0	0	100	NO
		2													
		3													
5		1										0	0	100	NO
		2													
		3													
6		1										0	0	100	NO
		2													
		3													
7		1										0	0	100	NO
		2													
		3													
8		1										0	0	100	NO
		2													
		3													

Enter time to complete or INC for incomplete

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BRIDGE

	Team Name - And Bridge # if more than one in the team	MAX WEIGHT HELD	MASS OF BRIDGE	COMPETITION WEIGHT (80 pd max)	RANKING (at 80 pounds)	Gold Standard? (50 pounds)
Winthrop Ramblers	Sylvia, Ryan, Rick, Henry	30	972	30	1	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no
				0	100	no

Once all teams have gone,
Send sheet to the officials table to be entered

Enter INC for incomplete if the bridge does not meet requirements
 Bridge held at least 5 pounds
 Bridge span did not touch the ground
 Bridge deck was large enough to load weights
 Bridge was long enough to reach the supports

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WALKING								
School	Team Name - And Robot # if more than one in the team	Robot Fit within 15" x 15" square? (Y or N)	Trial 1 Time or INC	Trial 2 Time or INC	Trial 3 Time or INC	Best of three	RANKING	Gold Standard? (20 seconds)
Winthrop Ramblers	Andrea Frost, Raynor Ahlstrin-Muneic	Yes	14.54	12.87	13.28	14.54	1	YES
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO
						100.00	100	NO

Once all teams have gone,
Send sheet to the officials table to be entered

Enter INC for incomplete if the robot does not meet requirements
 Robot must finish within 60 seconds
 May not be touched by humans
 Robot body must not touch the ground
 Robot may not fall over