

2013 Maine Robot Track Meet

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)
Mill Pond Robotics, Abbey, Isaac	inc		INC	inc		INC	inc		INC	INC		NO
MVCS Patriots, Sean Wood, Jeremy	inc		INC	inc		INC	inc		INC	INC		NO
Edmunds Jets, Jason Alex	21.28	-6	15.28	21.22	-6	15.22	21.16	-6	15.16	15.16	1	YES
Charlotte , Connor, Hudson	17.5		17.5	inc		INC	inc		INC	17.5	2	NO
Houlton, Michael Schools	28.12	-2	26.12	25.68	-2	23.68	24.41		24.41	23.68	3	NO

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

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Speed Build

Team Name and contestant	Trial 1		Trial 2		Gold Standard? (3.5 minutes or better)	Rank
	Trial 1 time		Trial 2 time	Best of Two		
Sedgewick -- Lexie	4.40.56		3.45.53	3.45.53		2
Charlotte -- Connor	2.48.07		2.48.50	2.48.07		1
Houlton -- Michael J	4.19.91		4.19.03	4.19.03		3

Enter Time to Complete

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 Degrees	40 Degrees	50 Degrees	60 Degrees	65 Degrees				
Team Name - And Robot member names if more than one robot in the team	Time	Time	Time	Time	Time	Continuing?		Gold Standard? (60 degrees or better)	Ranking
MVCS Patriots Jack Emery	8.75	inc	9.72	inc		No	50 d	no	2
		9.19		inc					
				inc					
Mega Builders, Shane Gagnon	20.31	22.59	25.75	31.62	40.15	Yes	65 d	yes	1
Houlton Southshide, LoganTribou	5.4	6.03	inc			No	40 d	no	4
			inc						
			inc						
Edmunds Jets, Kelly Leighton, Kaci Leighton	7	8.63	inc	inc		No	50 d	no	3
			10.28	inc					
				inc					

Time to Complete

SLOPE CLIMBING ROBOT (65 DEGREES AND GREATER)

Team Name - And Robot member names if more than one robot in the team	Continued?	70 Degrees	72.5 Degrees	75 Degrees	77.5 Degrees	80 Degrees		Highest Slope Achieved	Best Time at Slope
		Time	Time	Time	Time	Time	Time		

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	Gold Standard? (8 cans in 1 run)	Rank
Example	43	6	62	8	INC		8	14	Yes	
Rockland Robogeeks, Hudson, Riley	8.22	1	9.86	1	3.42	1	1	3	No	3
Edmunds Jets, Felicia, Kaylie S.	30.97	6	2.9	2	31.7	8	8	16	yes	1
Mill Pond Robotics, Isaac, Abbey	9.19	1	9.17	inc	7.39	1	1	2	No	4
Trenton, Christopher Allen	6.49	inc	64.5	8	41.19	8	8	16	yes	2

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)
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	Ellsworth, Jacob, Andrew	2818	2798	2827	2798	Yes	7
2	Ellsworth, Colby, Kristen	2573	2611	2585	2573	Yes	4
3	Ellsworth, Richie, Nick	2262	2320	2340	2262	Yes	1
4	Ellsworth, Mike	2322	2346	2303	2303	Yes	2
5	Millpond, Lucas, Lizzie	3705	3677	inc	3677	No	11
6	Edmunds, John	3240	2832	3007	2832	Yes	8
7	Edmunds Break-A-Lego, Dawn, Andrea	2434	2469	2375	2375	Yes	3
8	MVCS Patriots Josh	3060	2945	2983	2945	Yes	9
9	Houlton Southside, Nate	2819	2799	2777	2777	Yes	6
10	Houlton Southside, Isaac, Alex	3168	3209	3194	3168	Yes	10
11	Houlton Southside, Michael, Jacob Ouellet	2722	2757	2760	2722	Yes	5
12							
13							
14							
15							
16							
17							
18							
19							
20							

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

Enter INC for incomplete if the robot does not meet requirements

Did not finish course
Or otherwise failed to complete event

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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
Break-a-Lego, Everett, Logan	I	7	20	10	20	YES	2
Break-a-Lego, Cole, Hannah	i	14	36	36	36	YES	1
MVCS Patriots - Tim, Josh		inc	inc	inc	0	NO	
Charlotte RR Hudson, Colton, Richard, Zach, Noah	A	4	3	5	5	NO	1

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

	Points	Time (seconds)	Points	Time (seconds)	Points	Time (seconds)	Highest Number of Points	Time (seconds for highest score)		Gold Standard? (40 points)	Rank
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
Example	40	15	20	8	30	12	40	15		Yes	
Break-a Lego, Sedgwick, Sarah Chambers, Leeann Varnum, Lauren Brown	40	4.1	20	inc	20	inc	40	4.1		Yes	1
Charlotte Rockin' Robots, Zac Gower, Colton Sherrard	10	inc	20	inc	20	inc	20	inc		No	3
Edmunds Jets, Leah Kirshman, Hailey Bell	20	inc	20	inc	inc	inc	20	inc		No	4
Houlton Southside, Logan Tribou	40	13.87	40	14.82	inc	inc	40	13.87		Yes	2

Enter Time to Complete or to end of trial

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

	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

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.

STRONGEST ROBOT - SHEET 1

		20 pounds	25 pounds	30 pounds	35 pounds	40 pounds		
Team Name - And member names if more than one strongest robot in the team		Time (60 second max)	Time	Time	Time	Time	CONTINUING?	Gold Standard? (40 pounds)
Trials								
Ashley Bryan School	1	11.84	inc	8.82		11.66		yes
	2		8.63					
	3							
Rockland Robogeeks	1	4.63	4.59	6.28		7.47		yes
	2							
	3							
Ellsworth Digital Claw, ethan, crai	1	5.6	5.44	5.44		5.78		yes
	2							
	3							
g. Claw, Ellsworth, Will, Cole, Isai	1	4.3	4.84	4.53		9.19		yes
	2							
	3							
Edmunds Jets, Trevor, Madelyn	1	12.88	inc	13.69		15.28		yes
	2		13.6					
	3							
Ellsworth Digital Claw, Bruce, Aarc	1	inc	inc	inc				no
	2	10.25	3.3	inc				
	3			inc				
Patterson RR, Connor, Richard, Colton,	1	16.1	16.5	15.65		16.56		yes
	2							
	3							
Patriots Derek, Caleb	1	11.25	inc					no
	2		inc					
	3							

Enter time to complete or INC for incomplete

STRONGEST ROBOT - SHEET 2

		45 pounds	50 pounds	55 pounds	60 pounds					
Team Name - And Robot # if more than one in the team		Time (60 second max)	Time	Time	Time			HIGHEST WEIGHT PULLED?	BEST TIME AT WEIGHT	RANK
Ashley Bryan	1	15.78	23.84						50 pounds 23.84 seconds	4
	2									
	3									
Edmunds, Trevor, Madelyn	1	16.19	inc						45 pounds 16.19 seconds	6
	2									
	3									
Charlotte, Connor, Richard Colton and N	1	19.5	20.28						50 pounds 20.28 seconds	3
	2									
	3									
Ellsworth EMS, Craig, Ethan	1		8.63						50 pounds 8.63 seconds	1
	2									
	3									
Ellsworth EMS, Will, Isaiah	1	9.59	inc						45 pounds 9.59 seconds	5
	2		inc							
	3		inc							
Rockland Robogeeks, Alex, Patrick	1	inc	inc						50 pounds 12.53 seconds	2
	2	12.23	12.53							
	3									
	1									
	2									
	3									
	1									
	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	WEIGHT AT FAILURE	MASS OF BRIDGE	RANKING (at 80 pounds)	Gold Standard? (50 pounds)
Patriots Morgan Wood, Sean Wood	110	1009g	1	YES
Mega Builders, Ian Brenner-Simpson, Shane	135	2493	2	YES
Rockland, Luca Siletti, Patrick C, Alex M, Erin	200	3906g	3	YES
Charlotte Rockin' Robots, all students	50	1830g	4	YES
Houlton Southside -- Isaac, Alex	15	1028g	5	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

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)
MVCS Jeremy Pratt	y	8.16	7.97	8	7.97	2	y
Break-a-Lego, Jason, Alexis	y	inc	3.75	inc	3.75	1	y
Rockland Robo-geeks, Patrick, Luca	y	inc	17.12	16.12	16.12	3	y
Edmunds Jets - Hailey, Kaylie	Y	34.44	28.03	27.82	27.82	4	N

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