

## 2012 Maine Robot Track Meet

		Oakland Maine Robotics Track Meet - May 12th, 2012																								Number of places					Ranking with Tie Breaking Rules								
Town	Team Name	Slope Climber			Table Navigator			Delivery Mission			Robot Speed Build			Fastest Robot			Strongest Robot			Ping Pong Shot Put (Assist)			Ping Pong Shot Put (Independent)			Steeplechase			Bridge			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		
	SAMPLE	1			1					1						1	1														1	1	2	3	10				
Auburn	The Seventh Sense										1			1			1			1												4	0	0	12	2			
Bethel	Brickmasters				1					1						1										1		1				1	2	2	9	3			
Dixfield	Dirigo Cougars												1																			0	0	1	1	9			
Gardiner	Brickoluer	1	1					1					1															1				3	2	0	13	1			
Gardiner	Robot Ninjas																								1							1	0	0	3	6			
Monhegan	Fire Breathing Demon Chicken			1																		1										0	1	1	3	6			
Oakland	Messalonskee Middle School																								1							0	0	1	1	9			
Oakland	Williams School Engineering Club									1																1						0	1	1	3	6			
Topsham	Mt. Ararat Eagles													1					1													0	2	0	4	4			
Unity	Team Viral																															0	0	0	0	12			
Vassalboro	VCS Robo Vikings																		1													0	0	1	1	9			
Winthrop	Winthrop Ramblers																									1					1	1	0	1	4	4			
Woolich	Semi-insane waffles																															0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
																																0	0	0	0	12			
		1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	10	8	8	54	

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

FIRST place                      Worth 3 points  
 SECOND place                  Worth 2 points  
 THIRD place                      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)
WES - Dean	11.9	-2	9.9	30		30	30		30	9.9	3	NO
Robot Ninjas - Everett	30		30	30		30	30		30	30	5	NO
Brickmasters - Maxwell	14.56	-2	12.56	13.03	-4	9.03	30		30	9.03	2	NO
Brickoluer - Chase	30		30	30		30	9.92	-2	7.92	7.92	1	NO
Dirigo Cougars - Samuel	30		30	30		30	30		30	30	5	NO
VCS Robo Vikings - Logan	30		30	30		30	30		30	30	5	NO
Winthrop Ramblers - Joey	16.4	-2	14.4	16.66	-4	12.66	30		30	12.66	4	NO
Mt Ararat - Eagon	30			30			30			30	5	NO
7th Sense - Harley	30			30			30			30	5	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

# Speed Build

	Trial 1		Trial 2			
Team Name and contestant	Trial 1 time		Trial 2 time	Best of Two	Rank	Gold Standard? (3.5 minutes or better)
Brickoluer - Makayla Willson	3:43		3:06	3:06	2	Y
7th Sense - Harley Lombard	3:19		3:00	3:00	1	Y
Dirigo Cougers - Emillie Urban	5:00		4:06	4:06	3	N
	10:00			10:00	4	N
	10:00			10:00	4	N
	10:00			10:00	4	N
	10:00			10:00		N
	10:00			10:00		N

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

**SLOPE CLIMBING**

Team Name - And Robot member names if more than one robot in the team	30 Degrees	40 Degrees	50 Degrees	60 Degrees	65 Degrees	70 Degrees	72.5 Degrees	75 Degrees	77.5 Degrees	80 Degrees	Highest Slope Achieved	Best Time at Slope	Gold Standard? (60 degrees or better)	RANK
	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time				
Messalonskee Middle School - Gretchen	inc										None	0	NO	9
	inc													
	inc													
Brickmasters - Tom	1.50	inc									30	1.5	NO	5
		inc												
		inc												
Brickolour - Chase	4.56	4.75	5.00	5.13	5.14	inc		inc	inc		75	25.22	YES	2
						inc		25.22	inc					
						5.1			inc					
Winthrop Ramblers - Madison	8.03	inc									30	8.03	NO	8
		inc												
		inc												
Team Viral - Jackson	3.78	inc									30	3.78	NO	7
		inc												
		inc												
Robot Rebels - Spencer	2.59	inc									30	2.59	NO	6
		inc												
		inc												
Brickoluer - Makayla				13.41	9:50	16.16	16.47	14.82	14.56	inc	77.5	14.56	YES	1
										inc				
										inc				
Dirigo Cougors - Kyle	inc										None	0	NO	9
	inc													
	inc													
Fire Breathing Demon Chickens - Dalton	5.38	5.97	10.5	5.47	inc						60	5.47	YES	3
					inc									
					inc									
Seventh Sense - Ezra	inc	11.94	12.15	inc							50	12.15	NO	4
	10.81			inc										
				inc										

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	Rank	Gold Standard? (8 cans in 1 run)
<b>Example</b>	43	6	62	8	INC		8	14		Yes
Semi Insane Waffles - James, Owen	inc		inc		inc		0	0	1	No
Semi Insane Waffles - James, Owen	inc		inc		inc		0	0		No
Brickmasters - Marta, Gaelan	90	5	90	6	90	6	6	17		No
							0	0		No
							0	0		No

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)	Rank
Example	Orono Red Riots, Tom & Gail	3.455	3.567	3.670	3.455	Yes	
1	WES	3.234	inc	3.150	3.150	Y	5
2	MMS - Cooper	inc	inc	3.136	3.136	Y	4
3	MMS - CJ	5.392	inc	inc	5.392	N	13
4	Gardiner - David	3.744	inc	inc	3.744	N	8
5	Robot Ninjas - Jackson	3.240	3.330	3.628	3.240	Y	6
6	Semi Insane Waffles - Josh	3.400	inc	5.014	3.400	Y	8
7	Brickoluer - Audrey	3.922	inc	inc	3.922	N	10
8	Dirigo Cougars - Neil	inc	3.612	3.498	3.498	Y	9
9	Dirigo Cougars - Emillie	5.648	inc	inc	5.648	N	14
10	Brickmasters - Carla	3.136	3.116	3.082	3.082	Y	3
11	Dirigo Cougars - Sam	inc	5.150	inc	5.150	N	12
12	Dirigo Cougars - Ben	inc	4.776	4.776	4.776	N	11
13	Fire Breathing Demon Chickens - Quinn	3.358	3.516	3.416	3.358	Y	7
14	Winthrop Ramblers - Zach	9.742	9.938	inc	9.742	N	15
15	Mt Ararat Eagles - Jimmy	2.774	2.81	2.79	2.774	Y	2
16	7th Sense - John	2.532	2.464	2.39	2.39	Y	1
17	VCS Vikings	inc	inc	inc	60	N	16
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

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 - Assist**

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	Gold Standard (20 points or better)	Rank
MMS - Jacob	A	34	50	51	51	Y	3
Robot Ninjas - Oliver	A	79	97	95	97	Y	1
Fire Breathing Demon Chickens	A	78	93	57	93	Y	2

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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**Ping Pong Shot Put - Independent**

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)
Team Viral - Jacob	I	0	0	0	0	2	NO
7th Sense - Zach, Alex	I	92	104	130	130	1	YES
					0		2
					0		2
					0		2
					0		2
					0		2
					0		2
					0		2
					0		2
					0		2
					0		2

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)	RANK	Gold Standard? (40 points)
WES - Grody	40	5.04	40	5.06	40	5	40	5	2	Yes
Brickoleur - Audrey	0	1.27	40	2.53	40	2.47	40	1.27	6	Yes
Robot Ninjas - Everett	0	1.36	40	4.66	40	2.41	40	1.36	5	Yes
Robot Ninjas - Timmy	0	2.35	0	1.66	0	2.04	0	1.66	9	No
Brickmasters - Mia	40	6.82	40	6.97	40	6.81	40	6.81	3	Yes
Dirigo Cougars - Sam	10	3.41	10	2.68	10	3.22	10	2.68	7	No
Fire Breathing Demon Chickens - Dalton	10	7.56	10	9.69	0	5.79	10	5.79	8	No
Winthrop Ramblers - Daryn	40	3.78	40	3.72	40	3.91	40	3.72	1	Yes
Team Viral - Jackson	40	9.06	10	6.4	10	7.07	40	6.4	4	Yes
7th Sense - Harley	0	3.11	0	2.9	0	2.75	0	2.75	9	No
							0	0	#N/A	No
							0	0	#N/A	No
							0	0	#N/A	No
							0	0	#N/A	No

Enter Time to Complete or to end of trial

	Points
Reach the top of the hill	10
Reach the bottom of the hill (far side)	20
Cross the pit	30
Reach the end line	40

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

If the wheels reach the

Could not make it to the top of the hill

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.

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STRONGEST ROBOT - SHEET 1

Team Name - And member names if more than one strongest robot in the team	Trials	20 pounds	25 pounds	30 pounds	35 pounds	40 pounds	Gold Standard? (40 pounds)	45 pounds	50 pounds	55 pounds	60 pounds	HIGHEST WEIGHT PULLED	BEST TIME AT WEIGHT	Rank	
		Time (60 second max)	Time	Time	Time	Time		Time (60 second max)	Time	Time	Time				
7th Sense - Ezra	1	1.88	2.10	2.03	2.03	2.50	YES	2.44	2.53	2.84	3.91	60	3.91	1	
	2										inc				
	3										4.1				
Mt Ararat - Zach	1	15.35	15.53	inc	inc	18.53	YES	19.78	21.97	23.03	24.65	60	23.91	2	
	2			30.69	18.00						23.91				
	3										26.56				
WES - Lillie	1	inc	inc				NO					20	25.00	6	
	2	inc													
	3	25													
Robot Ninjas - Jackson	1	inc					NO					0	0	7	
	2														
	3														
Wintrop Ramblers - Owen	1	60	60	inc			NO					25	60	5	
	2			inc											
	3			inc											
Dirigo Cougars - Jason	1	inc					NO					0	0	7	
	2														
	3														
VES Robo Vikings - Adam	1	3.09	3.47	4.12	inc		NO					30	4.12	3	
	2				inc										
	3				inc										
MMS - Sophie	1	inc	inc	inc			NO					25	4.53	4	
	2	2.94	inc	inc											
	3		4.53	inc											

Enter time to complete or INC for incomplete

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)
Brickoluer - Makayla	100	1353	1	Y
Brickmasters - Carla	80	1525	2	Y
Fire Breathing Demon Chickens - Quin	inc	2050	4	N
Winthrop Ramblers - Sylis	85	1770	3	Y
Mt Ararat Eagles - Reece	180	3214	5	Y

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 failed to carry 5 pound minimum
- Was disqualified by team action or robot action
- Was otherwise disqualified