

Final Results for Los Altos Robotics Loyola School FLL Local Competition – November 18, 2006

The four teams that qualified for the Northern California FLL Championship Tournament are as follows: **Small is Beautiful #3289**, **LEGOers #1522**, **Supersonic Turtles #3345**, and **Bobcat #4523**. This is based on places 1-4 in the Champion's Award category.

Small is Beautiful		Champion's Award
Chickened Out		Innovative Design Award
Dave Lordemann		Distinguished Service Award
Storm Runners		Programming Award
Small is Beautiful (325 points)		Robot Performance Award (Highest Score)
Technostuds		Research Project Award
LEGOers		Teamwork Award
Technostuds		Rookie Team of the Year Award
Nanobots & BurgerBots		Against All Odds Award
Michael Corsetto, Laura Fay, Ogen Perry, Tom Sartor & Martin Van Ryswyk		Outstanding Volunteer Awards
Austin Schuh & Travis Schuh		Outstanding Young Mentor Awards

Scoring details for all of the rounds and summaries for the scores and judging are on the following pages.

Thank you everyone for your part in making this a great competition.

Tim Burks

Los Altos Robotics 2006 FLL Tournament Teams

Loyola/Covington School (North Teams)

	#	Name	Coach(s) & Managers	School	# & Grade(s)	Year
1	229	Chickened Out	Tim Smith	Egan & Other	4-7th	3
2	396	Flaming Ice Cubes	Diane Silverman	Almond	4-5th	2
3	565	Storm Runners	Daphne Luong	Almond & Loyola	5-6th	2
4	1482	TechnoStuds	Robert Lamm	Other & Bullis-Charter	5-4th	1
5	1522	LEGOers	Tom Sartor	Almond & Santa Rita	6-6th	3
6	3027	Nano Knights	Mike Murray	Int. School of the Peninsula, St. Josephs, Springer, & Almond	2-5th & 4-6th	2
7	3289	Small is Beautiful	Tim Burks & Tod Irwin	Home School	2-8th, 3-6th, 1-4th	3
8	3345	Supersonic Turtles	Ogen Perry	Hausner	4-5th	2
9	3577	Legocy	Johann Schumann	Bullis-Charter & Other	2-6th & 2-6th	2
10	4185	NanoBots	Steve Kelem	Bullis-Charter & Other	3-3rd & 1-3rd	1
11	4523	Bobcat	Ben Hua	Santa Rita	3-5th	2
12	4742	Burger Bots	Kenneth Gross	Almond	6-4th	1
13	5076	Mega Buckyballs	Lindell Van Dyke	Loyola & Covington	3-5th & 1-4th	2
14	5200	SockBots	James Hinnant (Melissa Lui-mgr)	Covington and Almond	3-6th and 1-4th	3

Oak Avenue School (South Teams)

	#	Name	Coach(s) & Managers	School	# & Grade(s)	Year
1	231	Bionic Builders	Warren Horowitz	Springer	4-4th	1
2	453	DogBots	Michael Schuh	Blach	4-8th	5
3	591	Lego Legends	Gordon Elder (Linda Runke-mgr)	Blach	4-7th	4
4	1521	The Lego Lords	Laura Fay	Springer	5-6th	1
5	2024	LegoStars	Thierry Schang	Oak	4-6th	4
6	2539	Nano Freaks	Mark Klein	Cupertino Middle School	4-6th	1
7	2917	Destiny Builders	Yanjie Dong	Oak	3-6th	3
8	3039	Lords of the Legos	Martin Van Ryswyk	Oak	3-6th	2
9	3064	Molecular Mayhem	Scott Shearer	Almond & Oak	1-5th and 3-5th	2
10	3576	The Bananas	Pete Pressley	Oak	5-4th	1
11	4296	Electro Monkeys	Ming Wei	Loyola	5-4th	1
12	4379	Pokebots	Rick Schneider (Ritu Varma-mgr)	Springer	5-4th	1
13	4500	Tooners	K.K. Low (Ariel Gruspe-mgr)	Blach, Cupertino, Kennedy	4-7th	1



2006 FIRST LEGO League, Los Altos Robotics
Tournament at Loyola School
November 18, 2006

Round A	Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus		
		Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used		
		400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20	
1	Table 1	Supersonic Turtles	183	Y	Y	2				Y			6		Y	Y	2	Y		NXT
	Table 2	Chickened Out	95			2						5							Y	NXT
2	Table 1	Flaming Ice Cubes	153	Y	Y		2			Y			6		Y				Y	NXT
	Table 2	Small is Beautiful	304	Y	Y	2				Y	Y	3	3	Y	Y	Y	2	Y	Y	NXT
3	Table 1	LEGOers	258			2				Y	Y	3	1	Y	Y			Y	Y	NXT
	Table 2	TechnoStuds	141	Y	Y	2							7					Y		NXT
4	Table 1	Legocy	65	Y	Y		2						5							RCX
	Table 2	Nano Knights	83					2		Y			6					Y		NXT
5	Table 1	Storm Runners	125	Y	Y		2						5						Y	RCX
	Table 2	NanoBots	133	Y	Y		2			Y			6		Y					RCX

Round B		Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
			Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
			400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
1	Table 1	Chickened Out	81	Y	Y	1	1					7							NXT
	Table 2	LEGOers	59					2				3			Y	5	Y		NXT
2	Table 1	Nano Knights	156	Y	Y	2				Y		7					Y		NXT
	Table 2	Flaming Ice Cubes	60				1	1				5						Y	NXT
3	Table 1	Storm Runners	101	Y	Y			2				7						Y	RCX
	Table 2	Burger Bots	15					2				5							RCX
4	Table 1	Bobcat	156	Y	Y	2				Y		7					Y		NXT
	Table 2	SockBots	108					2		Y	Y	5	1				Y		NXT
5	Table 1	TechnoStuds	104			2						8					Y		NXT
	Table 2	Mega Buckyballs	66			2				Y		7							RCX

Round C	Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus		
		Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used		
		400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20	
1	Table 1	Supersonic Turtles	246	Y	Y	2				Y			7		Y	Y	2	Y	Y	NXT
	Table 2	Bobcat	108	Y	Y			2					6					Y		NXT
2	Table 1	Mega Buckyballs	119	Y				2		Y			8						Y	RCX
	Table 2	Flaming Ice Cubes	80	Y	Y		2			Y			5							NXT
3	Table 1	SockBots	168	Y				2		Y	Y	2	6					Y	Y	NXT
	Table 2	NanoBots	91	Y	Y	2							7							RCX
4	Table 1	Chickened Out	85					2					5		Y				Y	NXT
	Table 2	Storm Runners	163	Y	Y	2				Y			6						Y	RCX
5	Table 1	Burger Bots	24					2					8							RCX
	Table 2	Legocy	158	Y	Y	2							6					Y		RCX
6	Table 1	Small is Beautiful	259	Y	Y	2				Y	Y	2	3	Y	Y	Y	5	Y		NXT
	Table 2	Bobcat	270	Y	Y	2				Y	Y	6		Y	Y			Y		NXT

Round D		Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
			Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
			400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
1	Table 1	Legacy	91		2						7							Y	RCX
	Table 2	Supersonic Turtles	177	Y	Y	2			Y		4		Y	Y	2	Y			NXT
2	Table 1	LEGOers	283	Y	Y	2		Y	Y		6	Y	Y			Y			NXT
	Table 2	SockBots	159	Y	Y			2	Y	Y	8							Y	NXT
3	Table 1	NanoBots	126	Y	Y	2			Y		7								RCX
	Table 2	TechnoStuds	54			2					8								NXT
4	Table 1	Mega Buckyballs	149	Y		1	1		Y		8					Y			RCX
	Table 2	Nano Knights	130	Y	Y	2			Y	Y	6								NXT
5	Table 1	Burger Bots	21					2			7								RCX
	Table 2	Small is Beautiful	220	Y	Y		2		Y	Y	4		Y	Y		2			NXT

Round E		Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus	
			Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used	
			400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20
1	Table 1	Flaming Ice Cubes	150	Y	Y		2				Y			5	Y	Y				NXT
	Table 2	Chickened Out	121				2							7				Y	Y	NXT
2	Table 1	TechnoStuds	94	Y	Y	2								8						NXT
	Table 2	Storm Runners	131	Y	Y		2							7					Y	RCX
3	Table 1	Nano Knights	106			1	1			Y				7				Y		NXT
	Table 2	LEGOers	117	Y	Y	1		1						4				Y		NXT
4	Table 1	Small is Beautiful	325	Y		2				Y	Y	7		Y	Y		1	Y	Y	NXT
	Table 2	Supersonic Turtles	270	Y	Y	2				Y				5		Y		1	Y	Y
5	Table 1	NanoBots	131	Y	Y		2		Y					7						RCX
	Table 2	Legacy	219	Y	Y	2			Y	Y				8				Y		RCX
6	Table 1	Bobcat	91	Y	Y	2								7						NXT
	Table 2	Burger Bots	18					2						6						RCX
7	Table 1	SockBots	193	Y		2				Y	Y	1		6				Y	Y	NXT
	Table 2	Mega Buckyballs	169	Y	Y	2				Y				8					Y	RCX



Judging and Overall Scores

Team Name (FLL#)	Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
	0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
Small is Beautiful (3289)	929.2	277.0	325	10.00	20.0	24.0	20.0	16.0
LEGOers (1522)	781.0	179.0	283	8.70	20.0	21.0	11.0	17.0
Supersonic Turtles (3345)	732.5	219.0	270	8.30	20.0	16.0	12.0	15.0
Bobcat (4523)	706.5	156.0	270	8.30	17.0	14.0	14.0	13.0
Chickened Out (229)	704.5	95.0	121	3.72	21.0	22.0	17.0	14.0
Storm Runners (565)	697.1	130.0	163	5.01	21.0	24.0	9.0	18.0
Legocy (3577)	669.3	133.0	219	6.73	18.0	23.0	12.0	11.0
TechnoStuds (1482)	655.1	98.0	141	4.33	16.0	17.0	18.0	12.0
Flaming Ice Cubes (396)	576.9	110.0	153	4.70	19.0	14.0	8.0	15.0
Mega Buckyballs (5076)	475.8	125.0	169	5.20	14.0	14.0	0.0	16.0
Nano Knights (3027)	465.8	118.0	156	4.80	14.0	14.0	0.0	16.0
SockBots (5200)	441.0	157.0	193	5.93	13.0	12.0	0.0	13.0
NanoBots (4185)	379.3	120.0	133	4.09	11.0	11.0	0.0	13.0
Burger Bots (4742)	240.1	19.0	24	0.73	10.0	11.0	0.0	9.0



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Chickened Out

Coach: Tim Smith

FLL #: 229

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
704.5	95.0	121	3.72	21.0	22.0	17.0	14.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 1	Table 2	95			2					5								Y	NXT
Round B	Turn 1	Table 1	81	Y	Y	1	1					7								NXT
Round C	Turn 4	Table 1	85					2				5		Y					Y	NXT
Round E	Turn 1	Table 2	121				2					7					Y	Y		NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Flaming Ice Cubes

Coach: Diane Silverman

FLL #: 396

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
576.9	110.0	153	4.70	19.0	14.0	8.0	15.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 2	Table 1	153	Y	Y		2			Y			6		Y				Y	NXT
Round B	Turn 2	Table 2	60				1	1					5						Y	NXT
Round C	Turn 2	Table 2	80	Y	Y		2			Y			5							NXT
Round E	Turn 1	Table 1	150	Y	Y		2			Y			5	Y	Y					NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Storm Runners

Coach: Daphne Luong

FLL #: 565

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
697.1	130.0	163	5.01	21.0	24.0	9.0	18.0

Challenge Results	Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
		Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
		400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 5	Table 1	125	Y	Y		2				5						Y	RCX
Round B	Turn 3	Table 1	101	Y	Y			2			7						Y	RCX
Round C	Turn 4	Table 2	163	Y	Y	2			Y		6						Y	RCX
Round E	Turn 2	Table 2	131	Y	Y		2				7						Y	RCX



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

LEGOers

Coach: Tom Sartor

FLL #: 1522

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
781.0	179.0	283	8.70	20.0	21.0	11.0	17.0

Challenge Results			Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus			
			Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used			
			400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20		
Round A	Turn 3	Table 1	258			2						Y	Y	3	1	Y	Y			Y	Y	NXT
Round B	Turn 1	Table 2	59					2						3			Y	5	Y			NXT
Round D	Turn 2	Table 1	283	Y	Y	2				Y	Y			6	Y	Y			Y			NXT
Round E	Turn 3	Table 2	117	Y	Y	1			1					4					Y			NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Nano Knights

Coach: Mike Murray

FLL #: 3027

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
465.8	118.0	156	4.80	14.0	14.0	0.0	16.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 4	Table 2	83					2		Y			6					Y		NXT
Round B	Turn 2	Table 1	156	Y	Y	2				Y			7					Y		NXT
Round D	Turn 4	Table 2	130	Y	Y	2				Y	Y	6								NXT
Round E	Turn 3	Table 1	106			1	1			Y			7					Y		NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Small is Beautiful

Coach: Tim Burks & Tod Irwin

FLL #: 3289

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
929.2	277.0	325	10.00	20.0	24.0	20.0	16.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 2	Table 2	304	Y	Y	2				Y	Y	3	3	Y	Y	Y	2	Y	Y	NXT
Round C	Turn 6	Table 1	259	Y	Y	2				Y	Y	2	3	Y	Y	Y	5	Y		NXT
Round D	Turn 5	Table 2	220	Y	Y		2			Y	Y	4		Y	Y		2			NXT
Round E	Turn 4	Table 1	325	Y		2				Y	Y	7		Y	Y		1	Y	Y	NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Supersonic Turtles

Coach: Ogen Perry

FLL #: 3345

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
732.5	219.0	270	8.30	20.0	16.0	12.0	15.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 1	Table 1	183	Y	Y	2				Y			6		Y	Y	2	Y		NXT
Round C	Turn 1	Table 1	246	Y	Y	2				Y			7		Y	Y	2	Y	Y	NXT
Round D	Turn 1	Table 2	177	Y	Y	2				Y			4		Y	Y	2	Y		NXT
Round E	Turn 4	Table 2	270	Y	Y	2				Y			5		Y		1	Y	Y	NXT



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Legacy

Coach: Johann Schumann

FLL #: 3577

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
669.3	133.0	219	6.73	18.0	23.0	12.0	11.0

Challenge Results	Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
		Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
		400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round A	Turn 4	Table 1	65	Y	Y		2				5							RCX
Round C	Turn 5	Table 2	158	Y	Y	2					6					Y		RCX
Round D	Turn 1	Table 1	91			2					7						Y	RCX
Round E	Turn 5	Table 2	219	Y	Y	2		Y	Y		8					Y		RCX



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

NanoBots

Coach: Steve Kelem

FLL #: 4185

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
379.3	120.0	133	4.09	11.0	11.0	0.0	13.0

Challenge Results	Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus		
		Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used		
		400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20	
Round A	Turn 5	Table 2	133	Y	Y		2				Y			6		Y				RCX
Round C	Turn 3	Table 2	91	Y	Y	2							7							RCX
Round D	Turn 3	Table 1	126	Y	Y	2					Y			7						RCX
Round E	Turn 5	Table 1	131	Y	Y		2				Y			7						RCX



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

Mega Buckyballs

Coach: Lindell Van Dyke

FLL #: 5076

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
475.8	125.0	169	5.20	14.0	14.0	0.0	16.0

Challenge Results			Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus	
			Points	Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
			400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40	20
Round B	Turn 5	Table 2	66			2						7							RCX	
Round C	Turn 2	Table 1	119	Y			2		Y			8						Y	RCX	
Round D	Turn 4	Table 1	149	Y		1	1		Y			8				Y			RCX	
Round E	Turn 7	Table 2	169	Y	Y	2			Y			8						Y	RCX	



Los Altos Robotics

Tournament
at Loyola School

November 18, 2006

SockBots

Coach: James Hinnant (Melissa Lui-mgr)

FLL #: 5200

Overall Score	Average Points	Maximum Points	Performance Score	Design Innovation	Programming	Research Presentation	Teamwork
0-1000		0-325	0-10 / 25%	0-24 / 12.5%	0-24 / 12.5%	0-20 / 25%	0-20 / 25%
441.0	157.0	193	5.93	13.0	12.0	0.0	13.0

Challenge Results			Points	Nanotube Strength		Smell			Space Elevator	Stain-Resistant Fabric				Molecular Motor	Self-Assembly	Individual Atom Manipulation		Smart Medicine	Atomic Force Microscopy	Fairness Bonus
				Truck On Lift	Truck And Frame Raised	Molecules On Yellow	Molecules Moved Elsewhere	Molecules Unmoved	Elevator Raised	Dirt Trap In Place	Dirt Dumper Empty	Dirt Pieces In Trap	Dirt Pieces On Table	Molecule In Frame	Segments Raised	Red Atoms Removed	White Atoms Removed	Ball Delivered	Nanotip Unstuck	Kit Used
				400	20	20	2 x 15	2 x 5	2 x 0	40	15	15	8 x 5	8 x 3	40	30	must be N	30 or 40	50	40
Round B	Turn 4	Table 2	108					2		Y	Y	5	1					Y		NXT
Round C	Turn 3	Table 1	168	Y				2		Y	Y	2	6					Y	Y	NXT
Round D	Turn 2	Table 2	159	Y	Y			2	Y	Y			8						Y	NXT
Round E	Turn 7	Table 1	193	Y		2				Y	Y	1	6					Y	Y	NXT