

From rookie and veteran team alike, thanks to our schools and our communities and most of all our sponsors for their support and financial backing. We thank our teachers, advisors, and parents for teaching, advising, and giving us the opportunity to let us test our wings. We thank our mentors for giving up all of their free time to guide us, design with us, build with us, push us, and inspire us. Rookies – we expect great things from you! And we know you will continue to amaze us in the years to come! When it comes to **LogoMotion**, it's the hardest fun we've ever had!



July 13-17, 2011 Henrietta, NY

A multi-team robotics exhibition at the Monroe County Fair. Now in it's third year, The Rochester Rampage is hosted by FIRST Robotics Team 1511 - Rolling Thunder from Penfield High School. Teams from other high schools will also appear. This is the your chance to see what everyone has heard of...those action packed robots!

If your team would like to participate in the Rochester Rampage at the Monroe County Fair, please contact Tom Gamble, 585-334-4000.

Rah Cha Cha Ruckus VII (RCCR 2011) **October 29, 2011**



Going to be in the Rochester Area around Halloween? Don't know what to do with your **LogoMotion** 'bot? How about joining the off-season party? Not only do you get to compete in a competition put together by a great committee, but you also get to have a great time! You can even come in costume, so can your robot!

Check out: <http://www.ruckus.penfieldrobotics.com/> for more information.

This information was gathered and organized by FIRST Team 1511, Rolling Thunder, from USFIRST.org, Chief Delphi Forums, Team Websites and local news reports. Care has been taken to be as accurate as possible. Since all of our summaries are intended to be positive, it is hard to go wrong. However, if we did, we humbly apologize!

www.penfieldrobotics.com

4/2011

FIRST Team 1511 Presents

Meet the Rookies of 2011!

During the 2011 competitive season, 411 rookie teams participated in 58 Regional, District and State Competitions. We applaud their efforts and their accomplishments!

Not all Rookie Teams can make it to the **FIRST Championship**... We hope you will agree that the **54 Rookie Teams** competing this week in St. Louis represent the "Best of the Best"! To help you get to know them we have prepared this overview of each of the Rookie Teams.

These teams:

- Competed at 48 Regionals, 9 Districts, and 1 State Championship,
- Received 45 Rookie All Star Awards,
- 3 Rookie Inspiration Awards,
- 10 Highest Rookie Seeds,

They also picked up awards for Regional and District Winners, Regional and District Finalists, Xerox Creativity, General Motors Industrial Design, UL Industrial Safety, Johnson and Johnson Gracious Professionalism and Autodesk Excellence in Design Award (Animation). Wow!

These teams:

Were alliance partners in 33 quarterfinal rounds (7 times as captains), with 17 making it to the semi-finals, 13 moving on to the finals, and 12 teams were Regional Winners!

They have met all the challenges, some with surprising ease and some with great grit and determination. They have done Dean's Homework, formed partnerships with their schools, mentors, and communities and learned the meaning of Gracious Professionalism.

They have come to competitions with robots that performed, strategies that worked, spirit that shined, unique imagery, awesome technology and savvy well beyond their rookie year. We are awed by their achievements! Welcome to the FIRST Championship!

Thanks to all the teams for welcoming the rookies, sharing ideas, tools, and expertise to make sure that they had a great first year. Thanks for picking them up when they fell, treating them gently when they were bruised and considering them as equals in competition! You make great role models!

Brought to you by

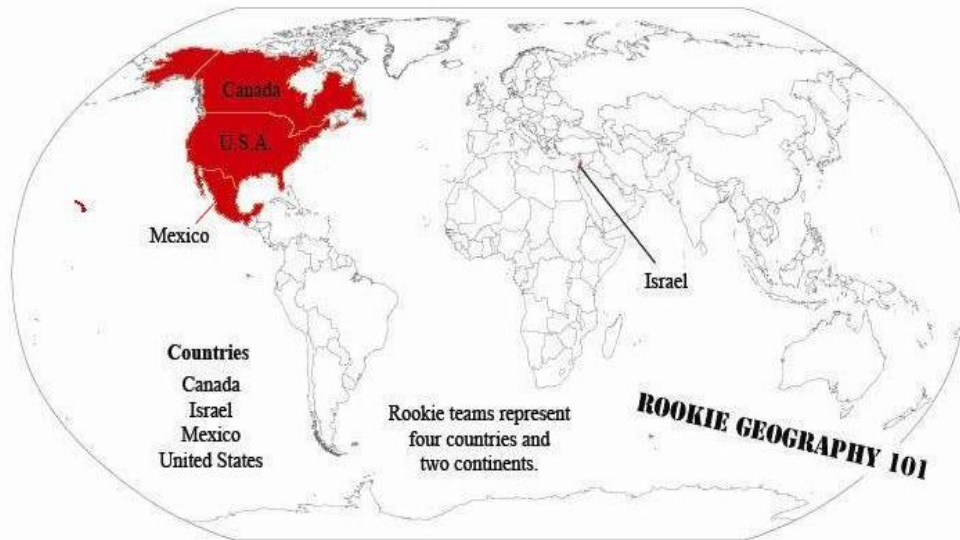
Harris RF Communications



**Penfield High School,
Penfield NY**

www.penfieldrobotics.com

2011 Rookie Factoids



Super Sponsors!

We'd like to thank the sponsors of all the rookie teams for their great support, but we wanted to highlight a few SUPER sponsors! JCPenney (jcpenny) is the sponsor of 28 of the rookie teams here in St. Louis. NASA has given grants to 16 of these high achievers. General Motors is the sponsor for all four Mexican Rookies and provided mentors as well as financial support.

Michigan Success!

Michigan is represented by three rookies that were quite impressive during their district qualifiers. Between the three of them they have 4 Rookie All Star Awards (plus 2 at the State Championship), 4 Highest Rookie Seeds, a District Finalist and a District Winner. They also won awards for Safety, Creativity, and Animation!

Crossing the Oceans!

Three teams are crossing an ocean to play with us in Atlanta. Team 3766 - Ort from Israel crossed the Atlantic, while Team 3880 - Kealakehe and Team 3685 - Waianae Searider Robotics from Hawaii took the Pacific route. Bon Voyage!

Missing the Action

In addition to the amazing rookies at the Championships, five other rookie teams qualified, but were unable to be here to compete. We wanted to take a moment to recognize the Rookie All Star winners Team 3453, Deus-Ex-Machina from Winchester, CA; Team 3515, Pneubotic Mustangs from Islin, NJ; Team 3625, Cavaliers from Virginia; Team 3660, Lightsabers from Oklahoma City, OK; and 3780, Robot Unicorn Attack from Providence, RI.



All Rookie Meet and Greet

Who's Invited: All 2011 Rookie Teams!! (and any veterans that want to meet this year's great rookie teams!)

When: Friday, April 29 5:30pm (after qualifying rounds end on Friday)

Where: Adjacent to

What's Happening: Fun Introduction Game, Distribution of information for your upcoming years to continue to make you a Great team! Meet & Greet other Rookie Teams! Find out what it took for them to get to Atlanta!

Bonuses!!!: Free Prizes for Rookies!! Rookie Summary Booklet - get some great info on all the Rookies at Championships!

3766 "Ort"	Curie
SRT/Ort/GENIUS/Automatic Technologies & ort-klali bet-shean, Beit-Shean Northern Israel	
Israel Regional: Rookie All Star, Highest Rookie Seed	
Team 3766 lives in a town that is the site of spectacular archaeological excavations and a rich history, dating back to Biblical times.	
3784 "Bit by Bit 4-H Robotics Team"	Curie
NASA/VFW Post 4207/Marionville Library/Stone County 4-H/Pixelscopic & Bit by Bit 4-H, Verona, MO USA	
Greater Kansas City Regional: Regional Winner, Highest Rookie Seed, Johnson & Johnson Gracious Professionalism	
Team 3784 is planning now to do summer robot workshops and library programs. Watch for their 6'3" tall "feeder" with superior reach & throwing skills.	
3792 "The Army Ants"	Newton
University of Missouri Columbia/jcpenney & University of Missouri Extension, Columbia, MO USA	
St Louis Regional: Rookie All Star, Highest Rookie Seed	
Team 3792 has an "Army" of students! With 28 members, this 4-H based team is divided into four sub-teams and works out of the Columbia Area Career Center.	
3799 "Pokebots"	Curie
Corning Incorporated & Notre Dame High School, Corning, NY USA	
FLR Regional: Rookie All Star, Highest Rookie Seed	
Team 3799 was started through the urging of two of the students who recruited mentors from Corning to help. They've started to spread FIRST to a new area!	
3824 "HVA RoHawktics"	Galileo
ORNL / AVL & Hardin Valley Academy, Knoxville, TN USA	
Smoky Mountain Regional: Rookie All Star	
Team 3824 has been affectionately dubbed "RoHawktics" after the school mascot. They have access to a Dimension 3D printer, capable of printing out CAD-created parts for the robot.	
3880 "Kealakehe Robo Riders"	Newton
Kealakehe, Kailua-Kona, HI USA	
Hawaii Regional: Regional Winner, GM Industrial Design	
Team 3880 participated in the Hawaiian ROV Contest in 2010, and at the VEX world championships last week!	

Meet the Rookies...

3456 "LiveWire"	Newton
jcpenney & Century High School, Pocatello, IN USA	
Sacramento Regional: Rookie All Star	
Team 3456 held a Robotics summer camp and helps host a local FLL Regional Tournament.	
3459 "Team PyroTech"	Curie
jcpenney/LORD Corporation & Community-Based, Cary, NC USA	
North Carolina Regional: Rookie All Star	
Team 3459 has students from many different schools and has volunteered over 300 man hours.	
3462 "FERVOT"	Archimedes
Instituto Tecnológico y de Estudios Superiores de Monterrey Campus Toluca/General Motors de México, S. de R.L. de C.V & Prepa TEC Toluca, Toluca Mexico	
Arizona Regional: Rookie All Star, U.L.Industrial Safety	
Team 3462 put their own on-line game on their website. This large team has two divisions, business and engineering, and sold crepas, krispy kremes and chips to raise money.	
3464 "Sim-City"	Galileo
jcpenney/United Technologies Corporation & Simsbury High School & 4-H, Simsbury, CT USA	
Connecticut Regional: Rookie All Star	
The Sim-City team has 26 9th-12th graders and a dozen adult mentors, and was recognized by the judges for their teamwork, dedication, and competitiveness.	
3466 "VI Kings Robotics"	Galileo
NASA / PTC / Raytheon & Nashoba Valley Technical High School, Westford, MA USA	
Boston Regional: Rookie All Star	
Team 3466 takes the Robot Principles: Respect, Outreach, Believe, Organization, Teamwork, and Success, and runs with them.	
3467 "Windham Windup"	Archimedes
NASA/jcpenney/BAE Systems & Windham High School, Manchester, NH USA	
BAE Systems/Granite State Regional: Rookie All Star	
Team 3467 started at the beginning of the school year to develop strong partnerships with local professionals. They had a visit by their US Senator. They are on Rev 3 of iteir "Mini-Bot."	
3472 "Buluk"	Newton
ITESM CEM, Atizapan de Zaragoza Mexico	
Autodesk Oregon Regional: Rookie All Star	
Using Mayan words, Team 3472 has named their team and robot. Buluk is the Mayan word for 11, and the robot is "Muuk" whose name means strength.	



<p align="center">3473 "Team Sprocket" Curie</p> <p align="center">jcpenney/Raytheon/Harvey Mudd College/Brahma Foundation & Diamond Bar High School, Diamond Bar, CA USA</p> <p align="center">Los Angeles Regional: Regional Winner</p> <p>Team 3473 was originally established in 2009 by two students, however, the team was not able to compete during the season. With a year of teambuilding, they came on strong this year!</p>
<p align="center">3477 "Chaos Vortex" Curie</p> <p align="center">NASA/General Dynamics/jcpenney/Qualcomm & High Tech High Chula Vista, Chula Vista, CA USA</p> <p align="center">San Diego Regional: Rookie All Star, Highest Rookie Seed</p> <p>Starting as a VEX team in 2009, Team 3477 branched out into FRC this year with great success!</p>
<p align="center">3478 "Campus San Luis" Newton</p> <p align="center">General Motors and LamBot, San Luis, SL Mexico</p> <p align="center">Alamo Regional: Rookie All Star</p> <p>Team 3478 has mentors from General Motors, ABB and professors from their school. They even have a team song, the Lambot Song!</p>
<p align="center">3481 "Brandeis Bronc Botz" Archimedes</p> <p align="center">KCI / jcpenney / Texas Workforce Commission / NewTek / Insurancelabs & Brandeis High School, San Antonio, TX USA</p> <p align="center">Alamo Regional: Regional Winner, Rookie Inspiration Award</p> <p>Starting as an award winning FTC team in 2010 with 9 kids, Team 3481 has grown to a 23 member award winning FRC team.</p>
<p align="center">3483 "Cold Smoke" Newton</p> <p align="center">jcpenney & Bozeman High School, Bozeman, MT USA</p> <p align="center">Utah Regional: Rookie All Star</p> <p>Team 3483 is a small team with 6 students. They scored all of their alliances points in a match at Salt Lake City with their Scissor lift robot.</p>
<p align="center">3487 "The EarthQuakers" Galileo</p> <p align="center">jcpenney & Plainfield High School, Plainfield, IN USA</p> <p align="center">Boilermaker Regional: Rookie All Star</p> <p>With 32 students, 10 mentors, Team 3487 strives to make a mindblowing robot, to learn more about engineering, and to have a good time.</p>
<p align="center">3492 "ROBOGENS" Curie</p> <p align="center">jcpenney/Toyota & Winfield High School, Winfield, WV USA</p> <p align="center">Pittsburgh Regional: Regional Winner, Rookie Inspiration Award</p> <p>A 9 member team, ROBOGENS was given a pep rally by their school as a send off to their regional, and received school board recognition.</p>

<p align="center">3711 "Iron Mustang" Galileo</p> <p align="center">Insitu / Terry Schmid Sand and Gravel & Trout Lake School, Trout Lake, WA USA</p> <p align="center">Autodesk Oregon Regional: Regional Winner</p> <p>Team 3711's minibot was one of the fastest and most reliable at their regional. The team demonstrated their claw and arm at a school basketball game by having it dunk a basketball.</p>
<p align="center">3729 "RaiderBots" Galileo</p> <p align="center">NASA & Regis Jesuit High School, Aurora, CO USA</p> <p align="center">Colorado Regional: Rookie All Star, Highest Rookie Seed</p> <p>Team 3729 built field elements which they shared with other nearby teams. They built a practice bot and went to a scrimmage at the Colorado School of Mines.</p>
<p align="center">3739 "Oakbotics" Curie</p> <p align="center">Armo Tool/United Rentals & Oakridge Secondary School, London, ON Canada</p> <p align="center">Greater Toronto West Regional: Rookie All Star</p> <p>Team 3739 designed their robot for defense, with a minibot. They held a contest with the student body of the school to name their robot.</p>
<p align="center">3747 "Chaotech" Archimedes</p> <p align="center">jcpenney & RBA Public Charter School, Mankato, MN USA</p> <p align="center">Lake Superior Regional: Rookie All Star, Regional Winner</p> <p>The experiences of Team 3747 has changed some of the career plans of team members. As a small 7 member team, they held a raffle to raise money and held several different meal fundraisers at the American Legion.</p>
<p align="center">3748 "Ragnarök Robotics" Newton</p> <p align="center">jcpenney / SAIC / Booz Allen Hamilton / W.R. Grace & Co. & Mt. Hebron High School, Ellicott City, MD USA</p> <p align="center">Chesapeake Regional: Rookie All Star</p> <p>Team 3748 was first rookie team at their regional to pass inspection and take to the field!</p>
<p align="center">3750 "Gators" Galileo</p> <p align="center">NASA/jcpenney & Badger High School District, Badger, MN USA</p> <p align="center">Minnesota Northstar Regional: Rookie All Star</p> <p>The Gators hail from a "Project Lead the Way" school, a natural fit for a robotics team!</p>
<p align="center">3756 "Ram-ferno" Archimedes</p> <p align="center">ARMO Tool & Sir Wilfrid Laurier Secondary School, London, ON Canada</p> <p align="center">Waterloo Regional: Rookie All Star, Regional Winner</p> <p>Team 3756 had Simbotics(1114) as mentors. Check out their website for the Life of Rambo video, a documentary of their robot.</p>

3630 "The Stampede"	Curie
NASA & Breck School, Golden Valley, MN USA Minnesota 10000 Lake Regional: Rookie All Star	
Although their name and motto has a horse theme, the Stampede locks very professional in their white lab coats.	
3642 "Huskies"	Archimedes
NASA / AGCO Corporation, Jackson Operations / Schwalbach ACE Hardware #3896 & Jackson County Central, Jackson, MN USA Minnesota 10000 Lake Regional: Regional Winner	
Starting with the end in mind, Team 3642 is a very small team of 5 team members - 1 senior and 4 freshman, and was part of the winning alliance in MN.	
3645 "Run Time Error"	Galileo
NASA/jcpenney & Forest Hills High School, Forest Hills, NY USA New York City Regional: Rookie All Star	
Team 3645 uses Facebook as the team communication tool. They garnered some great press with a nice spread in the NY Daily News.	
3651 "TRIBE"	Curie
jcpenney & Travelers Rest High School, Travelers Rest, SC USA Palmetto Regional: Rookie All Star	
TRIBE (Travelers Rest Initial Bot Engineers) built their robot using parts they scraped together at metal recycling centers and backyard workshops.	
3685 "Waianae Searider Robotics"	Curie
NASA/Honolulu Community College Construction Academy & Waianae High School BIET Academy, Waianae, HI USA Hawaii Regional: Rookie All Star, Highest Rookie Seed	
Team 3685's positive website lists the skills each student brings to the team, and some awesome ukekele music.	
3694 "Warbotz"	Archimedes
jcpenney - Northlake Mall/North Atlanta High School Foundation/Women In Technology Foundation & North Atlanta High School, Atlanta, GA USA Peachtree Regional: Rookie All Star	
Team 3694 uses "Science Night Out" as a fundraiser and a LINK to 3rd to 6th grade students through science discovery and fun!	
3704 "Robosapiens"	Archimedes
Solar Turbines / BAE systems / Qualcomm / SRT & Sweetwater High School, Chula Vista, CA USA San Diego Regional: Regional Winner	
Team 3704 built a cube-shaped robot dubbed "The Tank," with a low-center of gravity meant solely to block competitors from scoring. They work in the "Robo Cave," an abandoned classroom that formerly served as a mariachi room.	

3494 "The Quadrangles"	Archimedes
NASA/Science Applications International Corporation/jcpenney/National Defense Education Program/Foundation of Monroe County Community Schools/The Raymond Foundation/Boston Scientific & Bloomington High School South, Bloomington, IN USA Buckeye Regional: Rookie All Star; Midwest: Regional Winner, Rookie Inspiration Award Check out their webpage to learn why Team 3494 says, We're Not Squares, We're Quadrangles!	
3504 "girlsFIRST Girls of Steel"	Galileo
NASA/Field Robotics Center Carnegie Mellon Univ/Google/Fed Ex Ground/Leonard Gelfand center for learning service and outreach/American Eagle/Westinghouse/PNC/QinetiQ NA/The Ellis School/Ibis Tek, LLC/JC Penny/Pit, Pittsburgh, PA USA Pittsburgh Regional: Rookie All Star; Washington DC: Rookie All Star, With a "Rosie the Riveter" theme, Team 3504 is an all girls team hailing from 11 different schools, based at the Field Robotics Center at Carnegie Mellon University in Pittsburgh, PA.	
3505 "Fighting Z-Bots"	Newton
jcpenney & Western Placer Unified School District & Lincoln High School Robotics Team, Lincoln, CA USA Silicon Valley Regional: Rookie All Star Team 3505 held an "Intro to Robotics" for a Girl Scouts Troop, and took first place in their school's football homecoming float contest!	
3506 "YETI Robotics"	Archimedes
Celgard, LLC /jcpenney /BASF /StaffMasters /Oryx Systems/ CPCC/ YETI, Inc. & YETI Robotics, Charlotte, NC USA North Carolina Regional: Regional Winner Team 3506 has become effective in working with the media and was featured on TV in both Charlotte and Raleigh.	
3507 "Ubotics"	Curie
NASA/jcpenney/Oklahoma State Department of Education & Union School District, Tulsa, OK USA Dallas Regional: Rookie All Star Slowed down by a February snowstorm, Team 3507 finished the robot in a Broken Arrow Garage. Check out their great you tube team video!	
3521 "Noble Nuts"	Newton
NASA/jcpenney/SMaRT Education/Marketplace True Value/Indio Youth Task Force/Esterline Defense Technologies & Shadow Hills High School, Indio, CA USA Los Angeles Regional: Rookie All Star With a logo providing a clear identity and linkage to their school, the Noble Nuts are impacting the school curriculum and the community.	
3526 "Blue Ignition"	Galileo
General Motors Ramos Arizpe / Nortek Controls & Tecnologico de Monterrey Campus Saltillo, Saltillo, CU Mexico Lone Star Regional: Rookie All Star Team 3526 designed a two level acrylic box to house the electrical and electronic components.	

3527 "Tec Balam Esmeralda"	Galileo
ITESM, Atizapan de Zaragoza Mexico Greater Toronto East Regional: Rookie All Star	
Team 3527 leads with a technologic and cooperative focus, and has named their robot Juanito.	
3528 "Up Next!"	Galileo
NASA / Metropolitan Community College / jcpenny / The Ewing Kauffman Foundation / Farmland Foods, Inc. / Imaging for Women, LLC / Time Warner Cable / eShipping & KC Northland Homeschoolers, Kansas City, MO USA	
Greater Kansas City Regional: Rookie All Star	
Sure to be home-town favorites, Team 3528 is a home-schooled robotics team consisting of 13 team members. They spent their build season at Metropolitan Community College (MCC)- Business and Technology Center.	
3536 "Electo Eagles"	Newton
jcpenny / Erika M. Johnson DDS. PLC & Hartland High School, Howell, MI USA	
Michigan State Championship: Rookie All Star, Highest Rookie Seed, MI Ann Arbor: Rookie All Star, UL Industrial Safety; MI Kettering: Rookie All Star, Highest Rookie Seed	
During one competition, Team 3536 donated a motor to another team, demonstrating Gracious Professionalism!	
3539 "The Byting Bulldogs"	Archimedes
SRT/Ford Motor Company & Romeo Engineering & Technology Center, Washington , MI USA	
MI Troy District: Rookie All Star, Highest Rookie Seed, District Finalist; MI Waterford: District Winner	
The Byting Bulldogs are students from the Romeo Engineering & Technology Center - part of Romeo HS. They were featured in local news station's "Around the Community" Show.	
3547 "Virus"	Newton
jcpenny / Comau / First Solar / PDS Plastics / Pioneer Metal Finishing & Monroe County Community College, Monroe, MI USA	
Michigan State Championship: Rookie All Star, Autodesk Excellence in Design Award (Animation); MI Detroit: Rookie All Star, Highest Rookie Seed; MI Ann Arbor: Highest Rookie Seed; MI Waterford: Xerox Creativity	
Team 3547 includes high school students from various area schools and home schooled students. They started an FLL team and helped with both qualifying and state level FLL tournaments.	
3553 "South Philly Rambots"	Curie
Boeing Co/Zivtech LLC & South Philadelphia High School, Philadelphia, PA USA	
Philadelphia Regional: Rookie All Star	
Team 3553 lights up, literally! With a unique configuration, Ramboogie, surprised the opposition by using its wings to reach a length of 84 inches.	

3574 "HIGH – Tekerz"	Galileo
Boeing/Esterline (ESL) Corporation/Platt Electric/State of Washington OSPI & Highline High School, Burien, WA USA	
Seattle Cascade Regional: Rookie All Star, Highest Rookie Seed	
Visible in deep purple shirts, Team 3574 held a garage sale to earn funds for the trip to St. Louis.	
3588 "The Talon"	Galileo
Boeing/jcpenny/OSPI & RSD CTE & Lindbergh High School, Renton, WA USA	
Seattle Olympic Regional: Rookie All Star	
Team 3588 has dedicated this year's robot in memory of mentor Gerry Desmarais. They've also set up a scholarship program in honor of him.	
3596 "Rocket Robotics"	Archimedes
Bucyrus International Inc./jcpenny & South Milwaukee High School, South Milwaukee, WI USA	
Wisconsin Regional: Rookie All Star	
Members of Rocket Robotics volunteered at a FIRST Lego League regional competition held in November.	
3612 "GearHogs"	Newton
NASA/jcpenny & Springdale High School, Springdale, AR USA	
Midwest Regional: Rookie All Star	
One of two teams from Arkansas to come to St. Louis, Team 3612 has a large percentage of female members on team. At their regional, they were the only first year entry whose mini-robot made it all the way up in 10 seconds.	
3616 "Team Phenomena"	Archimedes
jcpenny & Ovey Comeaux High School, Lafayette, LA USA	
Bayou Regional: Rookie All Star, Regional Finalist	
Team 3616 has students from three Lafayette high schools. Their mini-bot that was able to deploy from "Woody" and climb the pole in 3.8 seconds.	
3622 "Robocats"	Newton
jcpenny/Slattery & Associates, Inc./Tyco Electronics/Florida Atlantic University/B.B.M. Structural Engineers & Boca Raton Community High School, Boca Raton, FL USA	
Florida Regional: Rookie All Star	
Believing that Performance = Opportunity, the Robocats were mentored by Swampthing, Team 179. They recently received certificates of congratulations from their county commissioners.	
3624 "ThunderColts"	Curie
Half Hollow Hills, Dix Hills, NY USA	
SBPLI Long Island Regional: Rookie All Star	
With tall button covered hats, Team 3624 is a combination of East and West school students.	