



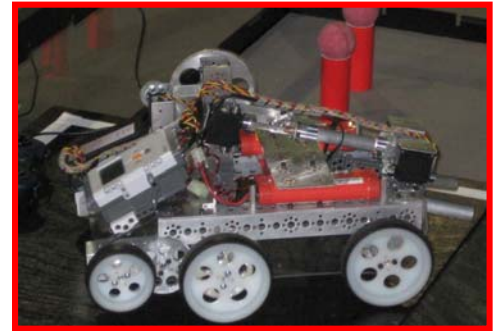
Welcome – and thank you for your interest in FIRST Tech Challenge...

The FIRST Tech Challenge (FTC) robotics competition is an intermediate program that provides an affordable, accessible opportunity for all high schools to participate in FIRST. Aimed at high school-aged youth, teams create robots to compete in an annual challenge geared around real-world robotic problems in a fun and fast-paced game.

Teams are not only judged how their robots perform on the field, but in other ways as well including: teamwork and Gracious Professionalism, the engineering process they followed, how they connect with their communities, and how they think outside the box. FTC is one of four FIRST Robotics Programs. Each is targeted to different age groups and needs.

How FTC Works

- Teams are composed of up to 10 high school-aged students
- Adult coaches and mentors are involved with assisting the students in most areas
- Teams use a modular, reusable robotics kit that includes everything teams need to compete including: a complete metal set, robot controller, 11 motors, 10 sensors, gaming controllers, rechargeable batteries and chargers, and 3 software packages including classroom/site licenses.
- Teams come from public, private, or home-schools; after-school groups, churches, civic and neighborhood groups. Teams solicit support from their community and corporate sponsors.



FIRST Participants are ...

- 50% more likely to attend college
- Twice as likely to go on to major in science or engineering
- Three times as likely to major specifically in engineering
- More than twice as likely to volunteer in their communities
- Ten times as likely to have a college internship with a company
- Four times more likely to expect to pursue a career in engineering

90% or more of team leaders reported that FTC increased participants' problem-solving and teamwork skills and their understanding of the engineering design process, basic science principles, and how science and technology could be used to solve real-world problems.

90% of participants reported increases in teamwork, planning, and problem-solving skills and increased interest in doing well in school.

85% of participants reported increased interest in science and technology careers.

99% of team leaders said they would recommend FTC to other schools or organizations like theirs.

Source: *Brandeis University Evaluation*

What Else FTC Offers

- Discovery of the fun and excitement in science, engineering, and technology in a competitive and action-packed forum.
- Real-world application of science and math concepts including: Hands-on problem solving, Working alongside engineers and other professionals, Programming, Teamwork, Self-esteem and confidence
- Qualification for millions of dollars in college scholarship funds

For On-Line Information

www.usfirst.org – follow the links for the FIRST Tech Challenge

www.NewJerseyFTC.com – for NJ Events and announcements

Like us on NJFTC Facebook!

Contact information

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NJ FTC Program Sponsor:



NJ FTC Supporting Partner:





New Jersey FIRST Tech Challenge: Season Timeline 2015 / 2016

With the exception of the NJ Championship Tournament (and multi-day Camps), all of the activities below have no event fee.

- May 16, 2015 Monty Madness – Extreme Cascade Effect Off-Season Scrimmage, Montgomery Township HS; Skillman, NJ (This Year's Elements with a Twist)
- May 30, 2015 Flashback to the 50's Post Season Scrimmage: The YALE School, 11 Connecticut Ave, Cherry Hill, NJ (Game Elements from Previous Years)
- June 27, 2015 FTC @ Midnight Mayhem - Outreach Scrimmage (Central Region); West Windsor-Plainsboro HS No., Plainsboro Twp, NJ
- July 1, 2015 JAVA SIP – Training Session (Northern Region): Weds Evening – Livingston High School, Livingston, NJ
- July 11, 2015 Summer Outreach Scrimmage (Southern Region): Williamstown Middle School, 561 Clayton Rd, Williamstown, NJ 08094
- July 19, 2015 JAVA SIP – Training Session (Southern Region): Sunday – Moorestown Friends School, Moorestown, NJ
- July 25, 2015 Summer Outreach Scrimmage (Northeast Region): 462 Millburn Avenue Millburn, New Jersey 07041
- July 28 – Aug 1 5-Day Rookie Robotic Camp (Northern Region): Tues-Saturday – Stevens Institute of Technology, Hoboken, NJ
- July 29, 2015 JAVA SIP – Training Session (Central Region): Weds Evening – Raritan Valley Comm. College, Branchburg, NJ
- August 8, 2015 1st Annual NJ FTC Southern Workshops: Raritan Valley Community College, Branchburg, NJ
- Aug 15 – Aug 16 Girls 2-Day Robotics Camp: Girl Scout of the Jersey Shore Activity Center, Farmingdale, NJ
- August 22, 2015 8th Annual NJ FTC Northern Workshops: NJIT, University Heights, Newark NJ
- August 25-29 5-Day Robo-Camp South: Egg Harbor Township Police Athletic League, Egg Harbor Township NJ
- August 30 Southern Outreach Scrimmage (Southern Region): Williamstown Middle School, Williamstown, NJ
- Sept 12, 2015 Kick-Off & Game Reveal (Northern NJ): Hightstown HS, Hightstown, NJ
- Sept 12, 2015 Kick-Off & Game Reveal (Northern NJ): Livingston HS, Livingston, NJ
- Oct 3, 2015 Rookie Team Practice Day: Bridgewater Raritan Middle School, 425 Foothill Road, Bridgewater, NJ
- Oct 17, 2015 FTC @ "Duel on the Delaware" (AM Workshops / PM Scrimmage): Salem Community College, Carney's Pt, NJ
- Oct 23, 2015 4th Annual Golden Eagles Afternoon Meet (Western Region): Morris Knolls HS, Morris Knolls, NJ
- Oct 25, 2015 Early Bee Weekend Meet (NE Region): Bayonne HS, Bayonne, NJ
- Oct 30, 2015 Northern Nightmare II - Afternoon Meet (Northeast Region); The Dwight-Englewood School, Englewood, NJ
- Nov 1, 2015 "The Day After" - Halloween Meet (Western Region); Warren County Technical High School, Washington, NJ
- Nov 7, 2015 FTC @ Brunswick Eruption - Weekend Meet (Central Region): NBHS, North Brunswick, NJ
- Nov 15, 2015 Robo CAT-astrophe V: Columbia HS, Maplewood, NJ
- Nov 21, 2015 Fall Harvest V Qualifier: Cherokee HS, Marlton, NJ
- Nov 22, 2015 Robo-Harvest II - Weekend Meet: Mount Olive HS, Flanders, NJ
- Nov 28, 2015 Jersey Shore Meet III (Southern Region): Girl Scouts Activity Center, Farmingdale, NJ
- Nov 29, 2015 Holiday Meet III Weekend Meet (NE Region); Dwight Morrow/Academies @Englewood HS, Englewood, NJ
- Dec 4, 2015 4th Annual Cookie - Carnage Afternoon Meet (Central Region): West Windsor-Plainsboro HS No., Plainsboro Twp, NJ
- Dec 6, 2015 Winter Meet III (Southern Region); Northern Burlington County Middle School, Columbus, NJ
- Dec 11, 2015 P'Town Throwdown IV Afternoon Meet: (Central Region); Stuart Country Day School, Princeton, NJ
- Dec 13, 2015 Robo-Joust V Qualifier, Livingston High School, Livingston, NJ
- Dec 19, 2015 STEM Day - Weekend Meet (Western Region): Chatham High School, Chatham, NJ
- Jan 9, 2016 Liberty Science Center V Qualifier: Liberty Science Center, Jersey City, NJ
- Jan 10, 2016 Westfield Wrangle II Weekend Meet (NE Region); Westfield High School, Westfield, NJ
- Jan 16, 2016 Frozen Frenzy VI Qualifier: Timothy Christian School, Piscataway, NJ
- Jan 17, 2016 Magic Mayhem Meet (All NJ Regions); Millstone River School, Plainsboro, NJ
- Jan 22, 2016 The Cliffhanger III Friday Afternoon Meet (NE Region): Cliffside Park HS, Cliffside Park, NJ
- Jan 24, 2016 Wayne Hills Wrap Up Weekend Meet (Western/NE Region): Wayne Hills HS, Wayne, NJ
- Jan 31, 2016 Snow Day Showdown IX Qualifier: Hightstown HS, Hightstown, NJ
- Feb 7, 2016 Northern NJ Meet Championship (Northeast & Western Regions): River Dell High School, Oradell, NJ
- Feb 13, 2016 Southern NJ Meet Championship (Southern & Central Regions): Bridgewater Raritan HS, 600 Garretson Rd, Bridgewater, NJ 08807
- Feb 28, 2016 Garden State Rumble NJ FTC Championship Tournament, New Jersey Institute of Technology, Newark, NJ
- Mar 18 - 20, 2016 Eastern Super Regional, Pennsylvania – Scranton, PA
- April 9, 2016 Champions Challenge, DeVry University, North Brunswick, NJ (Tune Up Competition for St Louis-bound Teams)
- Apr 27 - 30, 2016 FTC World Championship: St Louis, Missouri