

# 1<sup>st</sup> Annual G.I.R.L.S. Robotics Camp

## (Girls Involved with Robotics to Learn Science)

### Event Description:

- This two-day Camp gives (7th – 12th grade) girls an opportunity to learn all about being part of a FIRST Tech Challenge Robotics Team.
- Participants form into “Alliances” that will build, wire, program and drive a robot in 2 competitions by the end of the Camp.  
In addition to creating a working robot, fun activities include game strategizing, team naming, pit decorating, trivia games, BBQ and an optional sleepover that features Movie Night and a campfire.
- The Girl Scouts of the Jersey Shore Program Activity Center (PAC) in Farmingdale, NJ is the location of this great event for girls who are interested in robotics, STEM, and fun camp activities with new friends.

### Dates:

- From 8:00 am Saturday, August 15<sup>th</sup>, through 4:00 pm Sunday, August 16<sup>th</sup>, 2015

### Location:

- Girl Scouts of the Jersey Shore PAC  
127 Yellow Brook Road, Farmingdale, NJ

### Cost & Registration:

- **Pre-Registration is required.**
- \$40 with prepaid registration; registration must be received by **August 5<sup>th</sup>, 2015**  
\$50 if received after August 5<sup>th</sup>.
- Complete registration form:  
A basic health history with med requirements and parental permission with emergency contacts is required.
- **Payment information will be provided once registration is received.**

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### Tentative Schedule:

#### **SATURDAY**

- 8am – 9am Arrival and Check In Time for participants
- 9am – 9:30 Overview of the Camp Schedule & Activities  
Introduction to Robotics, FIRST, FTC  
(Parents may wish to stay to hear this)
- 9:30 – 10am Accomplishments of GSUSA (and All-Girl) Teams in NJ and Nationwide (slides)
- 10am GIRLS & STEM  
Including Descriptions of Tournament Bots by WAGS and TranSisters
- 10:30am Ice Breaker Exercise (“60 Second Friending”)  
Robotics Camp Teams formed
- 11:00am How to Build a Robot (slides)  
Workshop - Build a Bot (Robot Assembly)
- 12:00 Lunch
- 12:45 Wiring a Bot (slides)
- 1pm Workshop-Robot Wiring
- 1:30 Check Out Robots – Basic Operation OK
- 2:30 Skills Competition Reveal – “End Effector Challenge”  
Workshop - Skills Competition Modifications
- 4pm Trk1 Team Identity / Decorating Pit / Decorating Bot  
Decorating Supplies will be provided!
- 4pm Trk2 Programming Overview
- 4pm Trk3 Improving Skill Competition Mods
- 6pm BBQ
- 7pm Early Movie – or Games
- 8:30 pm Campfire
- 9:30 pm Late Movie – or Games

#### **SUNDAY**

- 8am Breakfast  
Trivia Game
- 9am Skills Competition (timed) – Winning Alliance #1 Determined!
- 10am Reveal Head-to-Head “Campfire Challenge”
- 10:30am Team Strategy and Brainstorming
- 11:00 Modification of Mechanical Design to the Game
- 12:00 Lunch
- 12:45 – 1:30 Last Chance Modifications
- 1:30 Head to Head Competition– Winning Alliance #2 Determined!
- 3:00 Closing Ceremony – Awards (Competition, Best Pit, Best Spirit, GP,...)

Parents may want to come early to pick up their student.

If they come at 1pm, a wrap-up discussion is available from NJ FTC.

They can come at 1:30 for the Competition and/or 3pm for the Awards Ceremony

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### Food (subject to change):

- Registration Includes:  
Lunch Saturday: taco bar with vegetarian option  
Dinner Saturday: dinner on the grill.  
Veggie burgers for vegetarian campers:  
Hot dogs, burgers, veggie burgers, potato salad, veggies with ranch dressing, s'mores  
Breakfast Sunday: pancakes, yogurt, hard boiled eggs, fresh fruit, sausage, milk, juice, coffee & tea.  
Lunch Sunday: Subs, including vegetarian choice
- Additional snacks will be available for purchase during the event; please bring enough pocket money for various snacks
- If the student has special dietary needs, please indicate so on the registration form
  - Please specify if vegetarian
  - Please specify allergies
    - Some accommodation can be made for allergies, but we recommend that girls with severe food allergies bring their own meals. Refrigeration is available.

### Items to bring:

- Sleeping bag/pillow
- Foam pad/twin air mattress
- Personal toiletries
- Pajamas
- Change of clothes
- Required meds
- Flashlight
- **No showers available!**