

Information Packet – FTC @ Duel on the Delaware

- First and foremost, we thank our gracious hosts, MOE, Salem Community College and all who are organizing the overall Duel on the Delaware FRC event.
- We'd also like to thank our volunteers and our teams who have made the extra effort to participate in such an early event. This will be a great head start on the season!

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Here is the address and link to Travel Details.

Salem Community College
460 Hollywood Avenue
Carneys Point, NJ 08069

<http://moe365.org/duel2015/traveldetails.php>

Team Registration:

8:30 - 9am

Event Completes:

3:30 pm

IMPORTANT:

- Food and drinks are prohibited in the classrooms
- Additionally, SCC is a smoke free facility. Smoking is not permitted on the SCC properties.

Event Overview

Arrival: Your team's adult representative should report to the check-in table immediately upon arrival. The rest of your party should report to their Pit Area or to the Field Area. This will allow us to move through registration in a quick and unhampered manner. Please call 862-432-1526 if you are going to be late.

Pit Area: You will find your Pit Area marked with your Team's Pit Number. Please stay within the boundaries of your pit and be kind to your neighbors. If you have large banners, displays, or posters, we can find a space somewhere else in the arena for these items. The Pit Areas should stay clear of obstructions to traffic.

Pit Supplies: Be sure to bring a Utility Strip. Safety Glasses, Battery Chargers (marked with Team Number) and spare parts.

Matches: We are often asked "when will Match Lists be available?". This being a Practice Day, there will be no rush to generate Match Lists. Some Practice Matches can be organized in the morning while teams that need help to get their bot working, get it. We ask our veteran teams to be generous with their help to our new folks. That what the day is all about, right?

Session Tickets: A set of Tickets will be awaiting your team upon arrival. Some of the session are held in Davidow Hall, while others, particularly the longer technical sessions are held in Donaghy Hall. Tickets will be marked with location.

Session Selection: The pages that follow this one provide a description of each offering and the schedule for each. Every participating team is assured of 1 person admittance to every session. If you are interested in sending more than one, and we encourage that, please let us know the quantity. Your 2nd, 3rd, ..., person will be considered to be "standby" and we will confirm their admittance at Check In (or by 8:45, latest).

Session Supplies: Naturally, students attending the classes on PTC software or JAVA Workshop must have a laptop with them. The JAVA Workshop participants (Basic and Beyond Basics) really should bring Android phones. We have a limited amount of loaner hardware and really look to participants to bring their own. The training is much more effective if hands-on.

Session Software: We will have access to internet and instructors will be able to download to some extent but having your laptop loaded before coming will really save class time. Information on downloading happily sent, on request, if needed.

Gracious Professionalism: Season-Start Help, and Fun, are the rule for the day. Please act in accordance with the guidelines of Gracious Professionalism. Ungracious behavior directed at referees or event volunteers will not be tolerated and will be grounds for disqualification from the event. Be kind to your referees, fellow teams, and help them as needed.

Workshops & Special Session Description

Review of “RES-Q” Game & Rules (9am – 10:30) : This session will be held at the Field by World Championship Head Referee, Jeff Lucas. We'll go over the game basics, scoring and penalties, game nuances ...and answer clarification questions from the audience. ... (J Lucas)

Creating a Winning Engineering Notebook (9am – 10:30) – “Rhyme Know Reason” members, Emma and Amy, will present advice and inspiration, followed by informal discussion about overcoming challenges and sharing ideas that have worked for different teams. Presenters will show their notebook and probably have a others from notebook-award-winning teams. Teams are encouraged to bring their own notebooks (either past or current) to give them a chance to evaluate and find ways to improve them, but it is not required ... (D Onstad)

Android Set-Up (9am – 10:30) : Session covers Smart Phone configuration, mapping the Android to your robot and smart use ... (A Szeto)

3D Printing: Tips and Tricks Session I (9am – 10:30) : This presentation includes tips and tricks for designing better parts for 3D printing along with a discussion comparing some of the important attributes of a number of current materials available for 3D printing. We will have hands on demos including some of the tips and tricks and examples from different materials to show their properties ... (C Warner, and also M Gordon of “Printed Solid”)

Acing Your Judged Interviews (10:30 - Noon) : A review Judged Awards and great advice on putting your best foot forward. (P Frascella)

Sensor Use (10:30 - Noon) : This session will review the various sensor types and their use in excelling at this year's Game. Of particular focus will be the new sensors (e.g., the Modern Robotics sensors, the Adafruit.com color sensor, and perhaps some others) A discussion of returned values and tips on using sensors in the new JAVA programming environment. ... (J Rumbaugh, D Hackett)

3D Printing: Tips and Tricks Session II (10:30 - Noon) : See the Session I Description (C Warner, M Gordon)

PTC Hands-On Modeling Workshop (9am – 3:30) : Has your team not undertaken CAD design yet? Here's your chance. This is a great Hands-On Workshop for those who are interested in learning the PTC Software tools. Participants should bring a laptop for their hands-on efforts. This is a great day long session to help your team add PTC to your robotics program ... (J Carr, C Carr, M Tomassian)

JAVA Basics Workshop (9am – 3:30) : Want introductory JAVA help? Take advantage of this day-long introductory session. Participants should bring a laptop for programming and two smart phones for hands-on use. Info on pre-loading the software onto your laptop can be sent if needed. The first hour of the day will be dedicated to getting everyone set. Then, the JAVA Basics class will begin. ... (B Carey, S Roeloff)

JAVA Beyond Basics (1pm – 2:30) : Session is intended for teams that have dabbled with the basics of JAVA and are ready to take the next step. It will include: Overview of Linear vs Event Driven Programming, Introduction to Autonomous (using Linear approach), Functions and making code more neat/usable. Also, time permitting ... Smart button programming and Intro to App Inventor. (R Sokolov, B Hildebrandt)

FTC @ “Duel on the Delaware” Schedule - 2015

	Classroom 207 <i>Donaghy Hall</i>	Classroom 208 <i>Donaghy Hall</i>	Classroom 209 <i>Donaghy Hall</i>	Classroom 107 <i>Davidow Hall</i>	Field <i>lobby Davidow</i>
9:00	Laptop Java Set-Up Verification / Help Instr: Biff Carey	Android Setup <i>Instr: Andrew Szeto</i>	PTC Software Hand-On modeling Workshop <i>Instr: Jim Carr</i>	How to create a winning Engineering Notebook <i>Instr: Rhyme Know Reason</i>	Review of Game & Rules
10:00	Java Programming Instr: Biff Carey	Sensor Use <i>Instr: Jim Rumbaugh</i>		Acing your Judge Interviews <i>Instr: Pat Frascella</i>	Instr: Jeff Lucas
11:00					
12:00	Lunch	Lunch	Lunch	FTC Head Ref meeting	Lunch
1:00	Java Programming Continued	JAVA Beyond Basics <i>Instr: Rob Sokolov</i>	Continuing PTC Lab Time (optional)	3D Printing Tips and Techniques Instr: Cliff Warner Matt Gorton	Scrimmage
2:00					
3:00					
3:30	Closing	Closing	Closing		Closing

- If you've communicated interest in the classes, there should be one ticket per class awaiting your team at Check In. Additional Stand-by Tickets will be available on-site, depending on empty slots and your request.
- Students attending the JAVA and PTC Workshops must have a laptop with them. It should be loaded with the software needed for hands-on exercises. These classes are very good and very interactive.

“FTC @ Duel on the Delaware” Teams:

~14 FTC Teams Registered, ...to date

Team #	Team Name
61	Ozone
237	MFS Hawks
365	MOE
2753	Overdrive
5169	Watt's Up
6045	foobar
6950	Bionic Builders
7149	Enforcer
7690	MASH Triage Unit
8528	Rhyme Know Reason
9848	Mechanical Pioneers
9863	MASHellaneous
10353	Metal Works
10467	Scibots

Awaiting final confirmation from additional Teams

Supplemental Information

Food: Food is available in the Concession Area. It should NOT be taken into Classrooms or near the Competition Fields

No Outside Food Please

Our host is going to good effort to arrange for the lunch and to keep the prices low for the team. Please help them out by purchasing your food from the site host. Unless you have special dietary needs, we really ask that no outside food be brought to the venue. Thanks for your help with this.

More information about Lunch will be available at the Registration Table.

Here is the link to the website for the overall event but look only at the general information. Some of the competition specific information pertains to FRC. Use the schedule, team list, and details in this document.

<http://moe365.org/duel2015/>

Volunteers

Thanks in advance to our great volunteers, our gracious Veteran Teams (who lend a hand to our Rookies) ... and all others who pitch in on Saturday,

Robot Inspection

Remember to have your team numbers on the robot in large size, per specification. That sometimes does not happen early in the season. So too, make sure that your robot accommodates the mounting of the Alliance Flag.

See you on Saturday

There will be some signs and folks to direct you to the Parking Lot and the venue. Good luck with your preparations.

Worth Repeating:

- Food and drinks are prohibited in the classrooms**
- Additionally, SCC is a smoke free facility. Smoking is not permitted on the SCC properties.**

Safety Information

FIRST AID

Please go to the Pit Administration table for basic First Aid Supplies.

Please alert the event organizers if more involved care is required.

PIT SAFETY

Safety expectations and rules at this event are the same as for all FIRST events. Please refer to the FIRST manual for those standards.

GENERAL CONDUCT

All participants and volunteers are expected to behave with Gracious Professionalism at all times. Any unruly behavior or actions which create safety concerns may result in warnings or ejection from the site at the discretion of the organizers.

Ungracious or threatening behavior directed at referees or event volunteers will not be tolerated and will be grounds for disqualification and ejection from the event.

GENERAL SAFETY COMMUNICATIONS

Please notify an Event Crew member if you have any safety issues or concerns. Please report any illness or injuries to the Pit Administration table or event organizers.