



# 2019-2020 NC FLL KICK-OFF

## Sessions and Presenters

### WORKSHOPS & PRESENTERS

Sessions have been prepared with specific experience levels in mind, however, anyone can attend any session that has space available. Signing up in advance for a session helps us provide enough space for the people interested in that session.

**Rookie Teams!** - We strongly encourage rookie teams to choose a rookie track and to stay in that track with their whole team and two adults.

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#### Rookie Track One

12:30pm - *Meet the FLL Field* - Sam Last NC FLL Head Referee

- What are all the pieces on the field? How does it all work? What are the rules?

1:20pm - *EV3 Tips and Tricks* - Joshua Smith FLL team 42

- Programming with EV3: How to save programs/projects, naming conventions, how to do basic maneuvering programs, etc.

2:10pm - *Core Values Activities Session* - Star Struck FLL team 825

- Team building activities to introduce teams to FLL core values, to get to know each other, and for plain old fun.

#### Rookie Track Two

12:30pm - *Core Values Activities Session* - Galactic Piggies FLL team 31250

- Team building activities to introduce teams to FLL core values, to get to know each other, and for plain old fun.

1:20pm - *Build a Strong Robot* - Will Carroll FLL team 16168

- Can you build a strong chassis? What is a flat back? Is it useful?

2:10pm - *Project Development* - Hungry Hungry Hippocampus FLL team 38482

- A blueprint for constructing a successful City Shaper project. We will guide you through the process of how to choose an idea, research it, share it with professionals and make an amazing presentation.

#### Rookie Track Three

12:30pm - *Introductory Programming* - TBD

- Programming with EV3: How to save programs/projects, naming conventions, how to do basic maneuvering programs, etc.

1:20pm - *Core Values Activities Session* - RoboFoxes FLL team 206



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- Team building activities to introduce teams to FLL core values, to get to know each other, and for plain old fun.

2:10pm - *What comes in the box? (Bring your own kit)* - Joe Meno

- How to use technic pieces. What are the pieces called? Can I use materials not in the box? What do I do now?

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### Teams and Coaches can choose from the following sessions -

12:30pm - *Coaching 101* - Laura Adamonis, Greensboro Science Center

- The basics of FLL coaching. Logistics, time management, finding your own coaching style, how to find help, etc.

12:30pm - *What does "the kids do the work" mean?* - Alan Smith, veteran coach

- An opportunity to hear from several veterans how they interpret this core value. Ask your specific question. Develop confidence with your interpretation.

12:30pm - *Building Team Identity* - TBD

- Core values, games and activities that can be used by your team throughout the season to strengthen your team's identity.

12:30pm - *Dealing with Variability in the Robot Game* - Davy Hallihan FLL team 23236

- Using structure on your bot and attachments and using sensors to deal with variability on the table

12:30pm - *How to wow the judges: Advanced* - Robyn Stephens and friends

- Experienced FLL Judges will hold a discussion session on what it is they are looking for during interviews. What makes you memorable?

12:30pm - *Documenting Your Season* - Abigail Smith graduate of FLL 447, now FRC 3459

- What is an engineering notebook? Why would I use it? Can I use pictures and video? Who should write it? Is a blog a good way to go? Where/how should we share the information? Measure website hits with something like statcounter.

12:30pm - *Programming Options* - Philip Smith FLL team 447

- This year there are many options for programming your EV3 robot. The pros and cons of various options will be discussed.

1:20pm - *Embracing the Project* - Alan Smith, veteran coach

- How the team project can change the world. How to make this *not* your typical school report.



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*1:20pm - Maximizing the Team's return on Practice Time - Shane Trent, veteran coach*

- Tips for helping teams to get the most out of their practice time. The importance of early team building exercises. Helping teams avoid pitfalls, make fewer programming mistakes and welcome new team members.

*1:20pm - Study the City Shaper Field - Sam Last, Head Ref*

- An in-depth look at this year's game field, focusing on the rules changes and the important things to remember to maximize your enjoyment of the game.

*1:20pm - How to Wow FLL Judges - Robyn Stephens and friends, veteran coaches*

- Experienced FLL Judges will hold a discussion session on what it is they are looking for during interviews. What makes you memorable?

*1:20pm - Project: Going the Distance - Abigail Smith, grad of 447, FRC 3459*

- How to take your world changing idea to the next level. Research - how to find existing solutions and analyze them. Choosing your innovative solution wisely. Making a prototype. Sharing and presenting your project effectively.

*1:20pm - Boost your robot score by spending less time in base. - Wharf Rats FLL team 5027*

- Tips for reducing the amount of time your robot spends in base. Launch jigs, removable attachments, versatile attachments, push button launch, menu systems, should you relaunch missions?

*1:20pm - Shooting for the Stars - Philip Smith FLL team 447*

- How to aim high and think about success differently so that the sky is the limit for FLL.

*2:10pm - Robots for Coaches - Sam Last, VISTA robot mentor*

- What does the coach need to know? What to do when the students are 'stuck?' How to ask the 'right' questions to move forward.

*2:10pm - Experienced Coaches Panel - Heath Carroll and Laura Adamonis*

- Answers to common coaches questions and concerns

*2:10pm - Creative Project Presentations - RoboFoxes FLL team 206*

- How to choose a memorable project presentation. What are the choices? Skit, powerpoint, song, poem, sock puppet show, etc.

*2:10pm - Using Strategy to Plan your Missions - Zebracorns FRC 900*

- How to group missions and create zones in order to maximize points while more effectively making use of your team's time and energy.

*2:10pm - Expanding Outreach - Abigail Smith*

- How to share your project with the world. Spreading the message of FLL/FIRST to your community. Working with other teams.



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*2:10pm - Advanced Gyro and Ultrasonic Use - Ryan Hallihan FLL team 23236*

- How to use the ultrasonic and gyro sensors together to improve consistency and how to ensure these two sensors are consistent themselves.

*2:10pm - How to use programming to advance your robot game - Philip Smith - FLL team 447*

- A discussion of different programming methods to make your robot more reliable and give you information back.