



2023-2024 NC FIRST LEGO LEAGUE CHALLENGE SEASON KICK-OFF

Saturday, September 16, 2023
NC A&T State University - Academic Classroom Building

SCHEDULE

10:00am Team Check In
10:45am Opening Session
11:30am Workshops - Session 1
12:30pm Lunch Break
**Team pre-paid lunch pick up available in the pre-function area.*
1:20pm Workshops - Session 2
2:10pm Workshops - Session 3

**See page 2 for workshop locations.*

2:50pm Afternoon Snack Break
3:15pm Student Presentations
3:45pm Rules Q&A
4:15pm Online Resources & Closing Session
4:30pm End of Kickoff Event



2023 WORKSHOP LIST

ROOKIE TEAM TRACK 1

Making the Most of Your Rookie Year	ACB 107
Introduction to Robot Attachments	ACB 107
Project - Finding Your Niche	ACB 107

ROOKIE TEAM TRACK 2

Our FLL-C Journey	ACB 108
<i>FIRST</i> Core Values	ACB 108
Robot Tips & Tricks	ACB 108

INTERMEDIATE TRACK 1

Build a Strong Robot	ACB 209
Project Presentations	ACB 209
Robot and Attachment Design	ACB 209

INTERMEDIATE TRACK 2

Test N' Learn (Robot Game Strategy)	ACB 210
Strength in Diversity for Core Values and Project	ACB 210
Judging 101	ACB 210



ADVANCED TRACK 1

All About Sensors	ACB 308
Advanced Interview Tips and Tricks	ACB 308
Coding Options	ACB 308

ADVANCED TRACK 2

Attachment Systems	ACB 309
Core Values to Strengthen your team	ACB 309
Project - Research (finding experts and other sources)	ACB 309

COACHES ONLY TRACK

Coaching 101	ACB 310
Robots for Coaches	ACB 310
Projects for Coaches	ACB 310

SEASON STRUCTURE AND COMMUNICATION (COACHES ONLY)

Season Structure & Basecamp Introduction	ACB 101
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WORKSHOPS & PRESENTERS

All Teams! - We strongly encourage teams to choose the track that best suits your level at the time of kick-off.

- Rookie teams - We suggest two adults attend the three sessions within a track with your entire team so that the coaches can attend the coach track and one of the season structure sessions.
- Intermediate and Veteran teams - We encourage your teams to split into groups and explore both tracks within your experience level (intermediate or advanced), and at least one coach to attend one of the season structure sessions.

ROOKIE TEAM TRACK 1 - ACB 107

11:30 AM	Making the Most of Your Rookie Year	Team 4495 - was Electro Knights, now Cosmic Capybaras!	We will share some of the details of our journey through the rookie year. We will include some best practices that we gathered during the season which helped us be successful as a team.
1:20 PM	Introduction to Attachments	FTC 16072 - Alan & Mahin	An introduction to the idea of making attachments that go onto and come off of the robot.
2:10 PM	Project - Finding Your Niche	FTC 16072 - Joshua & Rithika	In this session we'll talk about how to brainstorm and choose a project

ROOKIE TEAM TRACK 2 - ACB 108

11:30 AM	Our FLL-C Journey	Team 56051- NC Avengers	Our FLL journey in forming the team, learning about new things together which impact the community and also the importance of Gracious professionalism.
1:20 PM	FIRST Core Values	Team 774 - Wheels of Wisdom	Join the Wheels of Wisdom for an introduction to FLL-C core values and how to incorporate them into your Masterpiece season.
2:10 PM	Robot Tips & Tricks	FTC 16072 - Avni & Diya	Learn from veteran FLL students about tips and tricks for the robot game!



INTERMEDIATE TRACK 1 - ACB 209

11:30 AM	Build a Strong Robot	FTC 5064 - Ben, Pippa	We have some tips and tricks with building stronger FLL-C robots.
1:20 PM	Project Presentation	FTC 16072 - Avni & Shreyas	Discussion of ways to creatively present your project that make it more fun for you (and the judges)
2:10 PM	Robot and Attachment Design	FTC 18175 - Nathan & Danya	Discuss Robot design considerations, Introduction to attachments, Share experience of how to design attachments based on the season challenges.

INTERMEDIATE TRACK 2 - ACB210

11:30 AM	Test N' Learn (Robot Game Strategy)	FTC 16461 - Avi & Sanjita	Choosing and categorizing missions, developing points per second, and accounting for changes - and documenting the process.
1:20 PM	Strength in Diversity for Core Values and Project	Fuller Elementary FLL-C teams	This session will begin with explaining an animal based personality test to help you celebrate diversity and then progress to analyzing your project choices for inclusion.
2:10 PM	Judging 101	Robyn Stevens	Join Robyn Stephens for a dynamic FLL Judging 101 Kick-Off event where she'll demystify the judging process. Start your FLL journey this season on the right foot with this valuable session tailored to boost your team's confidence.



ADVANCED TRACK 1 - ACB 308

11:30 AM	Coding Options	FTC 16072 - Joshua & Shreyas	This presentation will focus on alternative coding systems to the scratch based ones, mostly Python for both EV3 and Spike.
1:20 PM	Advanced FLL-C Judging Techniques - A Deeper Dive	Robyn Stephens	Delve into the intricacies of project assessments, robot design evaluations, and core values exploration. Robyn, will provide in-depth insights, advanced strategies, and case studies to help seasoned FLL teams fine-tune their approach.
2:10 PM	All About Sensors	FTC 18175 - Christopher & Ninyee	This presentation will go over the spike prime sensors, and talk about how to use the sensors to enhance the robot performance.

ADVANCED TRACK 2 - ACB 309

11:30 AM	Attachment Systems	FTC 16072 - Alan & Keerthana	How to design systems that can transmit power to your attachments and make them easy to put on and take off
1:20 PM	Core Values	FTC 16072 - Avni & Keerthana	Talking about team builders and other things you can do to make core values part of your season to strengthen your team.
2:10 PM	Project - Research (finding experts and other sources)	FTC 16072 - Keerthana & Shreyas	Have your project be more than an internet search. How to find experts and other sources for taking your project to the next level.



COACHES ONLY TRACK - ACB 310

11:30 AM	Coaching 101	Stephanie Hicks	The basics of FLL coaching. Logistics, time management, finding your own coaching style, how to find help, etc.
1:20 PM	Robots for Coaches	Sam Last	What does the coach need to know? What to do when the students are 'stuck?' How to ask the 'right' questions to move forward.
2:10 PM	Projects for Coaches	Alan Smith	How the team project can change the world. How to make this not your typical school report.

SEASON STRUCTURE & COMMUNICATION (COACHES ONLY) - ACB 101

11:30 AM, 1:20 PM, & 2:10PM	Basecamp Overview	Shayla Sharpe	An introduction to Basecamp for coach communication, plus an explanation of the season structure.
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