

## FTC Community Call Monday Nights 7pm

August Topics	Pre-Season - Team Administration			
<b>August 24th</b>	<b>Team Management Issues</b> 1) Team member is possessive and doesn't cooperate 2) Team member doesn't want to be there - parents signed him up 3) Parent too involved or mentor <b>Team Administration</b> Season Timeline & Deliverables Team Structure & Functional Groups Running a Team Meeting	Scot Duncan FTC Coordinator	<b>"Linear Slides 101":</b> From stringing to belt to sliders. An getting close to everything you need to know	Ethan Doak GoBILDA Technical Support Specialist
<b>August 31st</b>	<b>Organizing and Storing Your Equipment/Tools/Parts?</b> Tips on tools and storage	Patti Poston FIRST Senior Mentor	<b>FIRST@Home</b> A place where you can learn about opportunities for online learning/skills development	Louis Rubbo FTC Coordinator
September Topics	Game Strategies, Building and Programming			
<b>September 7th</b>	<b>Getting your Phones Ready</b> How to setup configuration files How to connect phone to robot How to download and run programs  <i>(participants need to watch pre-video)</i>	Francois Erasmus FTC Coach	<b>Getting your Robot Up to Date</b> Updating your REV Hub Firmware Robot Controller and Driver's Station apps	Nanami Duncan FIRST Alumni Dean's List Winner
<b>September 14th</b>	<b>Game Points, Strategies, Trade-Offs</b> 1) Autonomous ideas 2) TeleOp 3) End Game 4) Defensive	Jim Poston FTC Partner	<b>Kahoot Trivia on Game Manual #2</b> Game scoring Points, Autonomous, TeleOp, End Game, Penalties	Patti Poston FIRST Senior Mentor
<b>September 21st</b>	<b>Chassis</b> Types: Pushbot examples, tank drive, swerve drive, chain, belt drive, direct drive, different wheels: Mecanum, Omni, Stealth	TBD	<b>Servos</b> "Deep dive into Servos with Ethan from ServoCity"	Ethan Doak Research and Development Technician for ServoCity
<b>September 28th</b>	<b>Intake</b> Different types of intakes where to get parts	TBD	<b>How to get started with Programming</b> Where to start Tutorials Resources	TBD

October Topics	Building Sub Systems and Programming			
October 5th	<b>Shooters</b> Demonstration of shooters, how to design and worked worked best	The Penguineers South Carolina FTC	<b>Basic TeleOp and Uploading to HUB</b> Create Code Upload to Phone Test Code by selecting on Phone	Nanami Duncan FIRST Alumni Dean's List Winner
October 12th	<b>Dean's List Award</b> Description Improving your resume Making your case to be selected by your team	Scot Duncan FTC Coordinator	<b>Basic Autonomous</b> How to create code Loop Time Do 1 task Make ahead of time Block Auto and Java as examples	Nanami Duncan FIRST Alumni Dean's List Winner
October 19th	<b>Computer Vision with OpenCV</b> Computer vision uses camera data to help a robot "see" the world. Basic computer vision techniques that can be implemented using the OpenCV library.	Bryson Lingenfelter	<b>Encoders</b> What are encoders Do the math	Larson Rivera and Kemma Kolstrup
October 26th	<b>REV Control HUB</b> Everything you need to get your REV control HUB up and running, protected and upgraded and more	Mack from Rev Robotics, 17 years with FIRST and FRC Alumni	<b>Connecting with Businesses</b> How to approach businesses for outreach, material support, mentorship and sponsorship. How to talk to businesses.	Caroline Hanson <a href="#">Regional Robotics Coordinator</a> (EDAWN)
November Topics	Dean's List, Subsystem and Advanced Programming			
November 2nd	<b>Ask a Ref</b> Bring your questions about the rules and ask our Head Ref	Jim Poston FTC Partner	<b>Ask an Inspector - Robot and Field</b> Bring your questions about robot and field inspections	Scot Duncan and Nanami Duncan
November 9th	<b>Gears</b> How to use gears Calculate gear ratio Different types of Gears	Jim Poston FTC Partner	<b>How to Participate in a Remote Event</b> <b>How to setup</b> <b>Use Scoring Software</b>	Jim Poston
November 16th	<b>Getting ready for your FIRST League Meet</b> Team Roster, Self-Inspect, what to bring: glasses, tools, laptop, Make Checklists Match strategy	Brandon Sellers FIRST Senior Mentor	<b>Wire Management</b> Best practices ESD	Patti Poston FIRST Senior Mentor
December Topic	Fun Social Game Night - Promote and Compass			
December 7th	<b>Reminder Promote and Compass Videos requirements</b>	Scot Duncan FTC Coordinator	<b>Kahoot Christmas Trivia</b>	Patti Poston FIRST Senior Mentor

January Topics	Competition Topics			
<b>January 11th</b>	<b>How to Prepare for Judging</b> 15-20 minutes What to bring What to say in 5-minute presentation Awards Overview	Patti Poston and Caroline Hanson	<b>Pit Design</b> Using the space available efficiently and make it standout Things to display Virtual pit - collection of pictures they would have in a pit Handouts for judges/spectators and other teams	Scot Duncan FTC Coordinator
<b>January 25th</b>	<b>Driving Techniques</b> Review rules (blocking, pinning etc.) Working with Alliance Partner Maximizing strengths of your robot Offense and Defense	Jim Poston FTC Partner	<b>Practice Driving online with FTC XRC Simulator</b> Download Simulator ahead of time	Patti Poston FIRST Senior Mentor
February Topics	Getting ready for Finals and Championships			
<b>February 8th</b>	<b>Scouting and Match Strategy</b> How to Scout - spreadsheet Talk to Alliance partners Postcard - what your robot can do	Scot Duncan FTC Coordinator	<b>Alliance Selection</b> Process, Rules and Tips Talk to teams before selections	Jim Poston FTC Partner
Off Season Topics	How Season Went and getting ready for new season			
<b>March 15th</b>	<b>Season Reflections</b> Highlights of your team Areas to Improve Telecast of Worlds What did you learn from the season	Brandon Sellers FIRST Senior Mentor	<b>Resume's and More</b>	Lori Birch Manager of digital learning and instruction
<b>April 13th</b>	<b>Recruiting new team members, mentors</b> What are you doing in your school or feeder schools? Connecting with Engineering Community	Scot Duncan FTC Coordinator	<b>Outreaches/Volunteer over the Summer</b> Demonstrations, Presentations to STEM Community Outreaches for FIRSTNevada	Patti Poston FIRST Senior Mentor
<b>May 10th</b>	<b>Fundraising</b> How to fundraise, recruit sponsors	Patti Poston FIRST Senior Mentor	<b>How to Finish Off Your Season</b> Money to spend Tools to buy Purchase new kit Funds leftover need to spend Register with FIRST	Scot Duncan FTC Coordinator
<b>June 14th</b>	<b>Get a Leg Up on the New Season</b> Resources on Building, Programming, CAD	Patti Poston FIRST Senior Mentor	<b>Team Game</b>	Patti Poston FIRST Senior Mentor