Arizona 2025 FRC Kickoff Workshop Descriptions	
Workshop	**Description**
Fundraising By: Susan Garduño	Fundraising 101, tips and insight on how to successfully fundraise.
Running FIRST in School Districts By: Kolin Gugisberg	Creating & running a FIRST team within a school district can be hard. Learning how to work with your district makes growing FIRST easy.
Advocacy in a Nutshell By: Elle Ness, FRC #2486, Coconuts	Learn how to get involved in advocating for STEM education at the local, state and national levels to make your voice heard and make a real change.
Impact in a Nutshell By: Riyana & Tawni, FRC #2486, CocoNuts	Learn tips for preparing your Impact award submission and hear about the journey of the newest FIRST Hall of Fame team! There will be lots of time for questions from teams, whether this is your first time submitting or your team has been submitting for many years.
Scouting Data in a Nutshell By: Sam, FRC #2486, CocoNuts	This workshop will discuss how to choose relevant scouting data to collect, how to analyze it, and how to make strategy decisions from your results.
Bumper Basics By: Camrynn Nunn & Dani Miller, FRC #6479, AZTECH Robotics	Learning the basics of bumpers, how to make them and what to do if they break
Programming Organization & Basics By: Josue Raygoza, Helen Ling, & Eddy Gobel, FRC #6413, Degrees of Freedom	Teaching teams how to implement source control and good coding practices to stay organized throughout the season.
Swerve 101: Swerve Fundamentals for Beginners By: Elizabeth Seaton, FRC #10256, Scrap Metal	Goes over the fundamentals of swerve drives. Covers basic math, coding, debugging, and common vocabulary for teams just dipping their toes into swerve. No laptop needed. (Bring something to take notes on)
Feedforward and Feedback Loops By: Elizabeth Seaton, FRC #10256, Scrap Metal	Covers topics regarding Feedforward, PID, and Motion Profiling. Explains the math and how to use it. Has graphs and visual explanations
FRC Electrical - How to keep your robot alive! By: Andrew Fechter	Best practices to follow regarding robot electronics. How to avoid common and uncommon failure modes.
Gracious Professionalism/Youth Protection By: Susan Garduño & Annalisa Regalado	Gracious Professionalism and Youth Protection at events.
FIRST Dashboard 101 By: Patti Strones	Have questions about your team dashboard? Need to get your students and mentors on the team roster? Join Patti from FIRST HQ to have your questions answered! Great for Coaches, Voulnteers, Parents & Mentors!

The Engineering Design Process: How to Tell Your Team's Story By: Daniel Frank	Learn about the engineering design process and how to effectively document it to help tell your team's story.
Bumpers, Batteries, & Breakers By: Austin Kipp	The tips you need to ACE inspection
Offseason Projects: How to acheive team sustainability By: Eugene, FRC #2486, Coconuts	How to utilize time and events available to you in the off season to train new members, work on new projects, and do all the things you don't have time to do during build season.
Maximizing Available Resources to Create a Successful Robot By: Eugene, FRC #2486, Coconuts	Learn how to utilize resources from the FIRST community and familiar process to quickly and efficiently iterate your robot design during build season.
Drive Team Time with Head Referees By: Rich Gomez & Joshua Gustafson	This session will provide a chance for Drive Teams to chat with the Head Referees in a relaxed environment with no tournament pressure. Gain some insights into observations that the Head Referees have noted through the years and ask questions that will help you on the field.
Help Us Help You, Tips From Your FTA's By: Nate Lucier & Jeremy Knutson	Things to do, and not do, for a successful event.
FIRST Beyond High School By: Az-Tech Robotics, FTC Team #23766	Learn how to continue contributing to the FIRST and STEM communities after graduation by becoming a mentor or volunteer. This workshop will explore the impact you can make, how to find teams and events to support, and the steps to start your journey. Whether you're looking to give back as a mentor or volunteer at competitions, this session will equip you with the knowledge and inspiration to stay connected and make a difference in the STEM world.
Advanced Swerve Software Programming (AZ Liftoff) By: Lewis Ruskin & Tim Bowers	Covers Advanced swerve topics such as Autonomous, Power optimization, Vision, and Full Field Odometry. Do you want your robot to not tear up the carpet and successfully complete auto? Welcome! Walks through the AZ Liftoff Ribsi Code and shows teams how to implement it. Laptop not required but recommended.
All About Beak Squad - a 6413 Initiative! By: Helen Ling, Julia Hannon, Miles Lebsack, & Roberta Trevino, FRC #6413, Degrees of Freedom	"Need Help? Beak Squad to the Rescue! No autonomous code? Leak in your pneumatics? Mechanism broken? The Beak Squad is here to help! Learn about our initiative by 6413 where AZ FRC teams can access a host of free resources to help them compete at their best! Interested in joining Beak Squad? Come visit our workshop! Everyone is welcome to join."