

MMR2023: CLASS LIST * Classes coordinated by JUMPSTART ROBOTICS *****

Room #	Session 1 8:00 am - 8:30 am			Session 2 8:35 am - 9:05 am		
A201	The Impact Award	The Impact Award: How to tell your story. We will review the requirements for the Impact Award and provide tips and techniques for how to approach your submission	2220 Blue Twilight	The Impact Award	The Impact Award: How to tell your story. We will review the requirements for the Impact Award and provide tips and techniques for how to approach your submission	2220 Blue Twilight
A203	3D Printing Using the Scientific Method	Improved 3D Printing Using the Scientific Method. In this session we will discuss the 3D printing process from CAD, to slicing, to print orientation, so students can make appropriate choices for the strength and appearance of their parts.	2220 Blue Twilight	Safety Captains: the most important role on the team	General discussion on shop safety and safety captain responsibilities. This session will cover how to identify hazards in your shop, team safety training, how to keep your team safe, safety documentation and why you can be the reason your team continues or folds.	2220 Blue Twilight
A204	Pneumatic Presentations	Pneumatics Overview. Understanding of components used and best practices.	8516 Wired Up	Electrical Presentations	Control System Overview. Get the full scoop of all electrical components of the robot and best wiring practices.	8516 Wired Up
A205	Failure Modes Effects and Analysis	FMEA, Learn how Failure Mode/Effects Analysis from the team that redefined their season. FRC 4607 and their FMEA Mentor will showcase how to create a process that will make your robot better through the season.	4607 Becker Robotics	Failure Modes Effects and Analysis	FMEA, Learn how Failure Mode/Effects Analysis from the team that redefined their season. FRC 4607 and their FMEA Mentor will showcase how to create a process that will make your robot better through the season.	4607 Becker Robotics
A206	Python in FRC	An overview of our teams experience switching to and using python in the preseason. Some general tips and tricks for project setup and usage on the robot. Talking about some pitfalls of the language and some things we like about it. And answering any questions people have about the process of switching over to python.	4536 Minute Bots	Media and Marketing	Do you wish to improve your marketing? Are you scratching your head trying to figure out what your analytics mean? Do you watch someone else's videos and say: "Man, I wish I could do that"? Come and share your concerns and ideas at this round table.	4607 Becker Robotics
A208	How to be an inclusive team for the LGBTQ+ Community	This presentation will cover ways to be more inclusive for the LGBTQ+ community and why it is important. The talk will last about 15 minutes and then there will be time for questions and discussion.	2846 FireBears	"Moneybots" Scouting in Robotics	Collecting and utilizing data to handle alliance selections and win matches. What metrics are useful? Can we be confident that our data is accurate? Come and learn how to translate all kinds of scouting into success.	2169 KING TeC
A209	Strategic Design	We will cover analyzing a typical FRC game and how to make strategic robot design decisions based on the game. Assessing your team's resources and picking the right strategy for your team will also be covered. Teams will learn how to grow and have their best season based on several key decisions they make during build season. Many of these choices will be rooted in lessons learned from 2847's journey from dead last to actual competitors and examples from elite teams	2847 The MegaHertz	Strategic Design	We will cover analyzing a typical FRC game and how to make strategic robot design decisions based on the game. Assessing your team's resources and picking the right strategy for your team will also be covered. Teams will learn how to grow and have their best season based on several key decisions they make during build season. Many of these choices will be rooted in lessons learned from 2847's journey from dead last to actual competitors and examples from elite teams	2847 The MegaHertz
G216	Mentor Round Table	Discussion between mentors about all things FRC Northland and FIRST Robotics.	Various	Mentor Round Table	Discussion between mentors about all things FRC Northland and FIRST Robotics.	Various

All classes are on floor 2 in either classroom tower A or athletic area tower G
Refer to Facilities MAP for TOWER and ROOM location

PURPLE type = Classes only presented in a single session