



# **FIRST Tech Challenge New Jersey**

## **Overview & Schedule**

*August 21, 2021*



# FIRT Tech Challenge New Jersey

## League Structure

# 2021 / 2022 - Current League & Conference Assignments



## League/Conference Assignments

- *We are hoping to return to ~200 teams and to avoid restructuring the League and Conference assignments. This is being watched carefully.*
- *Aligning with last year, here are League/Conference assignments based on county of team registration... and Coach Survey responses thus far.*

### **North East Edge League**

**Bergen Conference: All Bergen County**

**North East Conference: Hudson, Union Counties**

### **Northern League**

**South Essex Conference: Essex County cities of Orange, East Orange, Glen Ridge, Newark, Maplewood, Millburn**

**Far North Conference: Passaic, Sussex, Warren Counties, and Essex County cities of Nutley, Montclair, Caldwell, Livingston, West Orange**

### **Central West League**

**Western Conference: Hunterdon, Morris Counties**

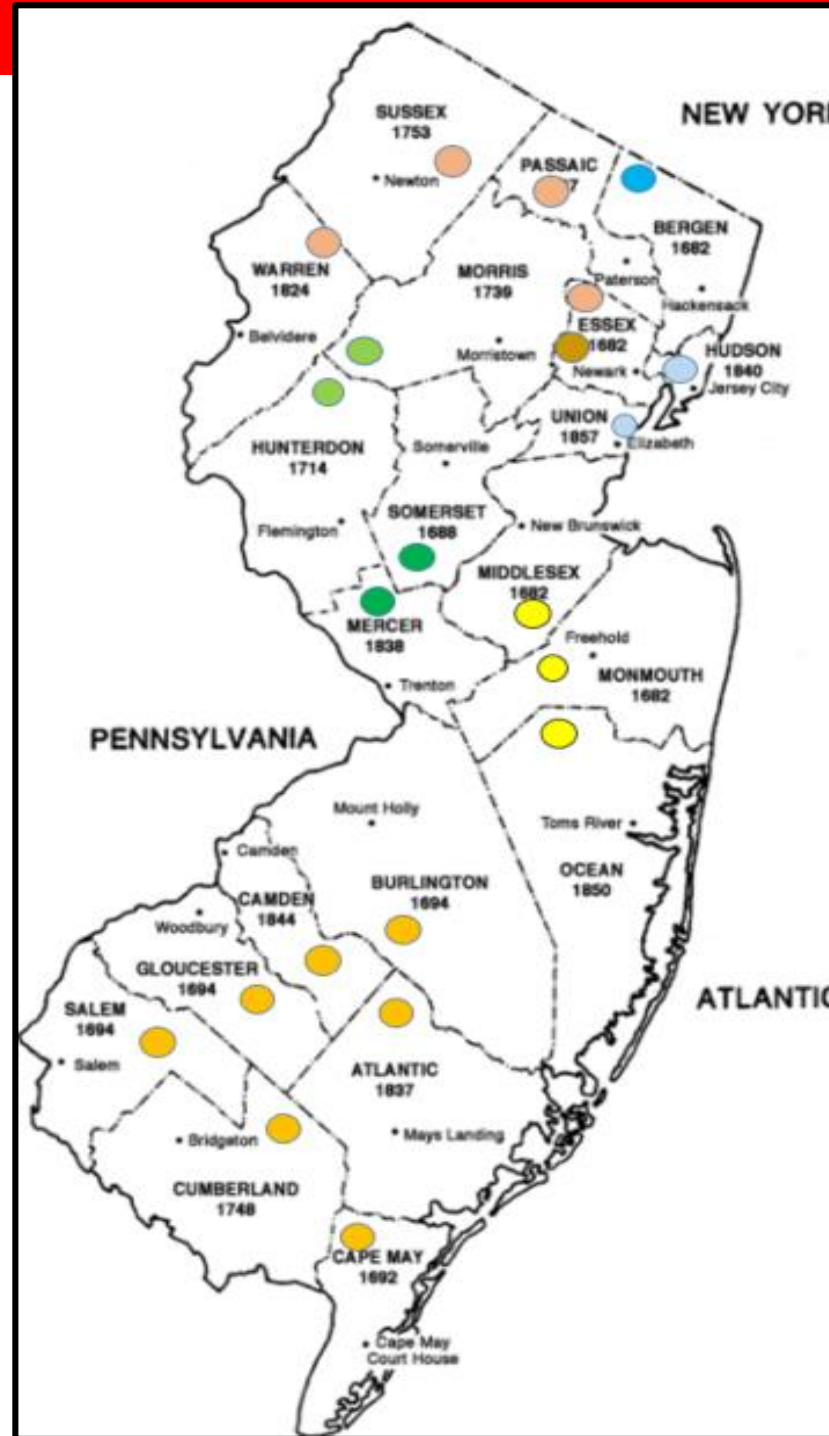
**Central Conference: Mercer, Somerset Counties**

### **Southern League**

**Upper South Conference: Middlesex, Monmouth, Ocean Counties**

**Deep South Conference: Atlantic, Burlington, Camden, Cape May, Gloucester, Cumberland, Salem Counties**

- Team Leagues geographically mapped, based on previous year's team population.
- The intent is to minimize driving time to the largest degree possible
  - **Blue – NE Edge**
  - **Brown – Northern**
  - **Green – Central/West**
  - **Gold – Southern**



# 2021 / 2022 – Team Projection based on Coach Feedback



- Remember ...
- You do not have get the entire team put together before you can register the team.
- You can register with just the coaches information and then fill in the students at a later time.
- That would allow to you to register, get the control hub, get team discounts, and purchase parts prior to the start of the season and place order asap for Freight Frenzy game elements.

North East	5	<-- Fully Registered	North East	8	<-- Confirmed 95%
Bergen County	6	<-- Fully Registered	Bergen County	20	<-- Confirmed 95%
Far North	4	<-- Fully Registered	Far North	10	<-- Confirmed 95%
South Essex County	3	<-- Fully Registered	South Essex County	11	<-- Confirmed 95%
Western	2	<-- Fully Registered	Western	18	<-- Confirmed 95%
Central	6	<-- Fully Registered	Central	9	<-- Confirmed 95%
Upper South	5	<-- Fully Registered	Upper South	13	<-- Confirmed 95%
Deep South	6	<-- Fully Registered	Deep South	9	<-- Confirmed 95%
	<b>37</b>			<b>98</b>	

- 37 Teams Fully Registered
- 98 More advised that they are Registering soon.
- ~35 More with Probability

North East	13	<-- Combined			North East	17.56	Registered plus Probability		
Bergen County	26	<-- Combined	NE Edge	39	Bergen County	30.7	Registered plus Probability	NE Edge	48
Far North	14	<-- Combined			Far North	18.65	Registered plus Probability		
South Essex County	14	<-- Combined	Northern	28	South Essex County	18.45	Registered plus Probability	Northern	37
Western	20	<-- Combined			Western	25.3	Registered plus Probability		
Central	15	<-- Combined	Central	35	Central	18.05	Registered plus Probability	Central West	43
Upper South	18	<-- Combined			Upper South	24.85	Registered plus Probability		
Deep South	15	<-- Combined	South	33	Deep South	17.75	Registered plus Probability	South	43
	<b>135</b>					<b>171.31</b>			

**Team Registration** for *FIRST* Tech Challenge for the 2021/2022 season is **\$275** and includes:

- Official *FIRST* Tech Challenge team number
- Ability to register and compete in official *FIRST* Tech Challenge events
- Access to the *FIRST* storefront for discounted control system components and build kits
- Ability to submit Dean's List nominations and access to the *FIRST* Scholarship Program
- Team Registration fee does not include shipping and handling, robot control system hardware, robot built kits, registration to *FIRST* Tech Challenge events.

## **Season Fee (FTCNJ)**

Each FTC New Jersey team is asked to pay **\$100** to support the cost of the events and associated materials.

Unlike many other states FTCNJ has not charged for any single-day events, with the exception of \$200 for the State Championship.

This year, that \$200 State Championship fee is being eliminated

# Season Event Planning

## **The Pre-Season**



## Kick Off / Game Reveal

- To include Game Reveal, Season Schedule Updates & Registration Instructions, New Challenge Q&A*

Remote / Livestreamed Event      September 18<sup>th</sup>

## Practice Days

- To include in-person review of Game with Q&A, hands-on tinkering of first robot build efforts, Help.*
- May include additional training on the robotics hardware and programming for newer team members.*

Northern NJ Practice Day	October 9 <sup>th</sup>	<i>Site Pending Confirmation</i>
Central NJ Practice Day	October 16 <sup>th</sup>	<i>Site Pending Confirmation</i>
Southern NJ Practice Day	October 23 <sup>rd</sup>	Toms River

## Post-Reveal Outreaches

- Primarily intended to help teams not forming until after the Kick-Off event. Includes Team Recruitment*
- May include additional training and help for teams, as requested.*

Southern Outreach	September 26 <sup>th</sup>	Egg Harbor Township PAL
Northern Outreach	September 25 <sup>th</sup>	Bard High School Early College, Newark





# Season Event Planning

## **Competition Season**

# 2021 / 2022 League Tournaments & State Championship



Frozen Frenzy IX League Tournament	Middlesex	Upper South Conference	SOUTHERN LEAGUE	Sat: Feb 5
The Perfect Swarm League Tournament	Hudson	North East Conference	NE EDGE LEAGUE	Sun: Feb 6
League Tournament	Essex (Southern)	Southern Essex Conference	NORTHERN LEAGUE	Sat: Feb 12
Snow Day Showdown League Tournament	Mercer	Central Conference	CENTRAL WEST LEAGUE	Sun: Feb 13
League Tournament	Morris	Western Conference	CENTRAL WEST LEAGUE	Sat: Feb 19
Robo-Joust League Tournament	Essex (Northern)	Far North Conference	NORTHERN LEAGUE	Sun: Feb 20
Rock Slide II League Tournament	Bergen	Bergen County Conference	NE EDGE LEAGUE	Sat: Feb 26
Southern Freeze League Tournament	Burlington	Deep South Conference	SOUTHERN LEAGUE	Sun: Feb 27

Every fully registered team is automatically invited to the end-of-season League Tournament of their Conference.

It is through these League Tournaments only that a total of 48 teams will advance to the FTC New Jersey State Championship.

Morris Knolls High School, 50 Knoll Drive, Morris Knolls, NJ 07866		NJ FTC State Championship	March 6, 2022
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Large Meet (Practice Judging)			NORTHERN LEAGUE	Sat Jan 8
LARGE MEET			CENTRAL WEST LEAGUE	Sun, Jan 9
Large Meet (Practice Judging)			NE EDGE LEAGUE	Sat Jan 15
LARGE MEET			SOUTHERN LEAGUE	Sun, Jan 16
Large Meet (Practice Judging)			CENTRAL WEST LEAGUE	Sat Jan 22
LARGE MEET			NORTHERN LEAGUE	Sun, Jan 23
Large Meet (Practice Judging)			Southern	Sat Jan 29
LARGE MEET			NE EDGE LEAGUE	Sun, Jan 30

- Each League has a Saturday and a Sunday option from which to choose.
- It is FTCNJ intent to offer Practice Judging at one event in each League on Saturdays in January.
- Coaches may make their event selections on Sept 20<sup>th</sup> (i.e., the Monday following the Sept 18<sup>th</sup> Kick-Off / Game Reveal).
- Competition venues are announced via the weekly Newsletter and will be reviewed one more time at the Kick-Off FTCNJ livestream on Sept 18<sup>th</sup>



LARGE MEET			NE Edge	Sat, Nov 20
Large Meet (Practice Judging)			Central West	Sun, Nov 21
LARGE MEET			NORTHERN LEAGUE	Sat, Dec 4
Large Meet (Practice Judging)			Southern	Sun, Dec 5
LARGE MEET			CENTRAL WEST LEAGUE	Sat, Dec 11
Large Meet (Practice Judging)			NE EDGE LEAGUE	Sun, Dec 12
LARGE MEET			SOUTHERN LEAGUE	Sat, Dec 18
Large Meet (Practice Judging)			NORTHERN LEAGUE	Sun, Dec 19

- Each League has a Saturday and a Sunday option from which to choose
- It is FTCNJ intent to offer Practice Judging at one event in each League on Sundays in November / December.



LARGE MEET			SOUTHERN LEAGUE	Sat, Nov 6
LARGE MEET			NORTHERN LEAGUE	Sun, Nov 7
LARGE MEET			NE EDGE LEAGUE	Sat, Nov 13
LARGE MEET			CENTRAL WEST LEAGUE	Sun, Nov 14

Holiday Meet Pre-Halloween Saturday			NORTHERN LEAGUE	Sat, Oct 30
Holiday Meet Pre-Halloween Sunday			NE EDGE LEAGUE	Sun, Oct 31
Holiday Meet Thanksgiving Saturday			Central West	Sat, Nov 27
Holiday Meet Thanksgiving Sunday			SOUTHERN LEAGUE	Sun, Nov 28

- These are additional official competition opportunities for teams that are:
  - (a) able to have their robot ready to compete in early or
  - (b) are able to compete on one of the two “holiday” weekends.

# Grants



## RESOURCE LIBRARY

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### Team Management Resources

Jul. 13 2020 | 10 KB

**Content Type:** FIRST Tech Challenge

**Tags:** Event Preparation, Finances/Fundraising, Mentor, Team

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(224)

For Rookie and Veteran Teams!

We want your season to be as easy as possible, so we have compiled all of the resources we think you will need to be successful. If you can't find what you need, please don't hesitate to email [firsttechchallenge@firstinspires.org](mailto:firsttechchallenge@firstinspires.org). Favorite this page in your Dashboard and check back to see what resources we've added.

#### Team Registration

- [Starting a Team Checklist](#)
- [Create/login to your FIRST account](#)

#### Mentor Training and Resources

- [Mentor Manual](#)
- [Youth Protection Program](#)
- [Forum Registration Instructions](#)
- [Team Role and Responsibilities Worksheet](#)

#### Budget

- [Sample Budget: PDF | Excel](#)
- [Kit of Parts and Pricing Info](#)

#### Fundraising

- [Fundraising Toolkit](#)
- [Fundraising Guide](#)
- [FIRST Tech Challenge Grants](#)
- [FIRST Grants FAQ](#)
- [FIRST W-9, Regranting Policy and Procedure](#)




# Grants – FIRST, goBILDA, ... more



**FIRST TECH CHALLENGE** ABOUT START A TEAM COST & REGISTRATION GAME & SEASON EVENTS SCHOLARSHIPS **GET STARTED**

It's way more than building robots. *FIRST* Tech Challenge teams (up to 15 team members, grades 7-12) are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format.

Guided by adult coaches and mentors, students develop STEM skills and practice engineering principles, while realizing the value of hard work, innovation, and working as a team.



**Grant Opportunities**

Please check with your [Affiliate Partner](#) for your local grant information.

**FIRST Tech Challenge Rookie Grant**

FIRST is excited to announce our need-based *FIRST* Tech Challenge Rookie Grant for teams participating in the 2020-2021 *FIRST* Tech Challenge Season!

This funding is available to newly created teams that have not yet paid for registration. Those interested in applying for the need-based grant should create a new *FIRST* Tech Challenge team to obtain a 9-digit temporary team number before applying for this grant. Awarded new teams will receive a \$275 registration grant to cover the full cost of the *FIRST* Tech Challenge season registration and a \$225 product grant to be used in the *FIRST* Tech Challenge Storefront to purchase product. [Apply for the grant!](#)

- <https://www.firstinspires.org/robotics/ftc/grants>



**ROOKIE TEAM PROMO**  
**STRAFER CHASSIS KIT**

LIMITED TIME OFFER  
**\$100**  
ORIGINALLY \$499.99

**PLEASE NOTE:** The Rookie Promo is now closed. We will be notifying the winners next week.

First year in FTC? For a limited time, we're giving away [Strafer Chassis Kits](#) (normally \$499.99) for only \$100.00 to **100 randomly selected rookie/first-year teams**. Help stretch your budget further and receive a chassis kit to begin building!

In order to give you all more time for designing & building, we've pushed our application deadline up to Sept. 19th! This way you know sooner whether or not you're receiving a Strafer Kit. As always, shoot us an email ([marketing@gobilda.com](mailto:marketing@gobilda.com)) if you have any questions! Kits awarded to teams will still beginning shipping Oct. 1st. To apply, please submit your application below by the **September 19th DEADLINE**. Limited to one kit per team. GOOD LUCK TEAMS!!

- <https://www.gobilda.com/first-rookie-team-promo/>