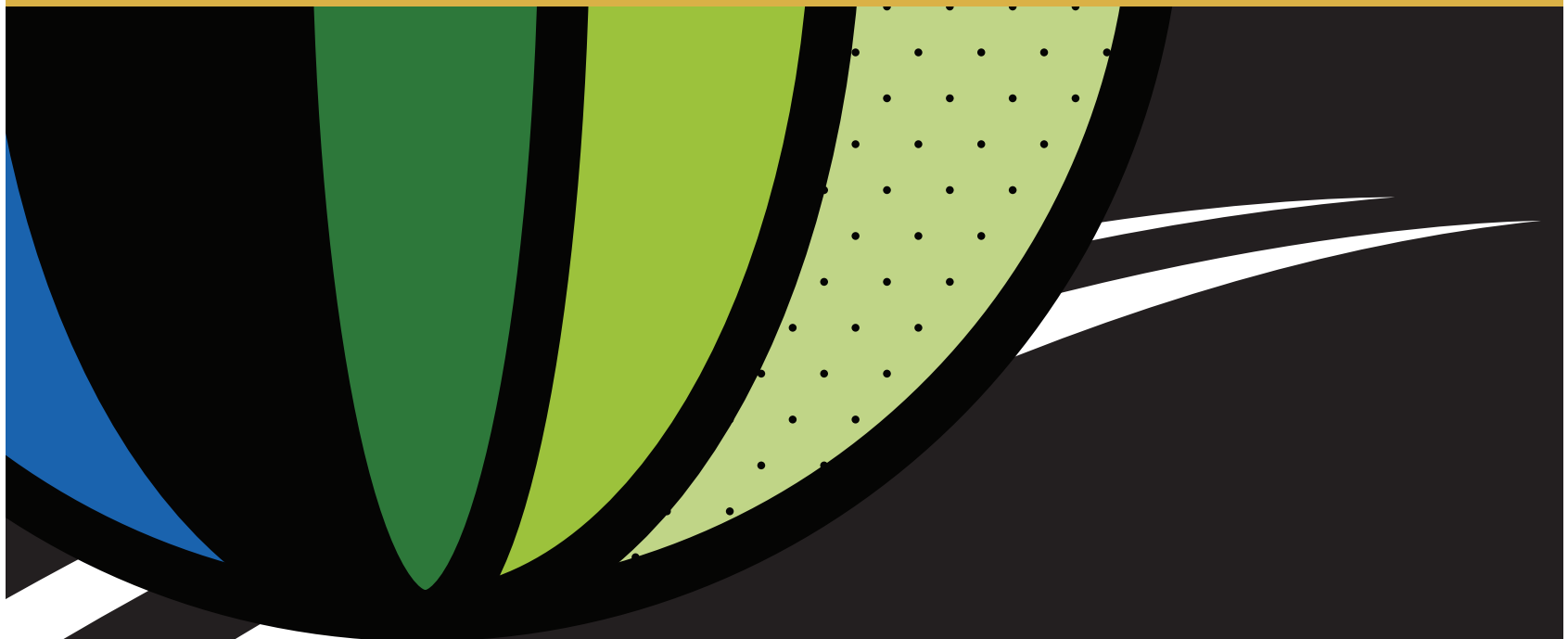


**FIRST**  **FORWARD**<sup>SM</sup>  
PRESENTED BY **Qualcomm**



PRESENTED BY  **BOEING**

# WELCOME!



Welcome students, mentors, parents, volunteers, and spectators to this year's *FIRST*® Robotics Competition game, *RAPID REACT*™ presented by The Boeing Company. Whether you arrived by plane, train, or automobile – or are joining us virtually – we cannot wait for you to experience the excitement of robotics.

The last year has been challenging for us all. As a *FIRST*® community, together we not only adapted to new ways of learning, but also connected and collaborated with each other to foster innovation. Our community has shown immense creativity and resiliency by keeping active, exploring new ways to help local communities, and adjusting to a remote competition season. After more than a year apart, we are excited to see you this year!

2021 was also a special year for me as we recognized Christa McAuliffe with the United States Mint special edition Christa McAuliffe Silver Dollar. As a New Hampshire native celebrated for her commitment to education, Christa inspired me and so many others to pursue their passions. I am proud we were able to commemorate Christa in this special way, and in doing so, are helping raise awareness of *FIRST* and providing more access for future students. Because of you, Christa's legacy will live on in our local and global communities through this commemorative coin.

In our cross-program season – *FIRST*® FORWARD™ presented by Qualcomm – we are exploring the future of transportation. Today we are seeing first-hand the importance of transportation logistics, infrastructure, and investments on a global scale. Transportation affects us all,

whether it's your mail taking longer to arrive or your local grocery store having supply shortages. With your innovative minds, you have the opportunity to drive *FIRST FORWARD*, full speed ahead.

You are here because you are a problem solver. You are a creative thinker. You are a teammate. You strive to reach new heights and impact the world around you. Some of you may go on to design a better way to get food and water to countries in need. Some of you may create the next unmanned delivery vehicle or become a space traveler. No matter what you do, you will always be a part of the *FIRST* community. As a team, together, we can build a better world.

On behalf of the *FIRST* organization, I want to give a huge thank you to the students, mentors, parents, volunteers, partners, and sponsors who have kept the *FIRST* spirit growing stronger than ever. You are an inspiration to us all, and the rest of the world. We know that this season will be our best yet.

You've waited long enough. You've put in the work and now you are cleared for take-off!

Sincerely,

Dean Kamen, *FIRST* Founder



I'd like to thank all of you for the warm welcome I've received since becoming the CEO of *FIRST*. I've spent the past 25 years working with youth programs, and I can already tell that the *FIRST* community is full of passionate change makers. It is with that same energy that I want to welcome you to this year's *FIRST* Robotics Competition game, *RAPID REACT* presented by The Boeing Company. You have all worked so hard to get here and I can't wait to experience my first competitions with you!

Sincerely,

Chris Moore



## Welcome to the **FIRST®** Robotics Competition South Florida Regional

Welcome to the 2022 **FIRST®** Robotics Competition South Florida Regional! Greetings to our local teams and welcome to those who traveled long distances to be here with us! We look forward to seeing how you solved this year's **FIRST** Robotics Competition challenge, **RAPID REACT™** presented by The Boeing Company.

Back in 2019 we were supposedly going to celebrate our 9<sup>th</sup> year of the **FIRST** Robotics Competition South Florida Regional. Then COVID-19 happened, and everything came to a halt. After that year, we adapted, redirected our energy, and came up with a new way to have fun with our teams through the 2020 season **INFINITE RECHARGE™**.

Today, we are delighted to have all of you — *students, parents, teachers, sponsors, volunteers, and spectators* — back with us to celebrate our resilience and ingenuity as a community.

To all our volunteers, mentors, teachers, and parents: thank you for your year-round support to create this outstanding opportunity for our students. Your investment of time and energy has been significant, and you have served as terrific role models.

Speaking on investment, we would also like to thank our sponsors and partners. You play a critical role through your commitment of funding, volunteers, and leadership. You know the importance of a workforce that is technically savvy, innovative, and energized, and recognize that **FIRST®** participants are the future workforce that will keep our country competitive in the global economy. And in these times of economic uncertainty, we are even more appreciative of those of you who have stepped up to help us continue this all-important event. This Regional has been made possible thanks to your support!

We invite everyone to join us to cheer for these students as they put into play lessons and skills learned over the past several months. Watch them compete, talk, and congratulate them!

On behalf of the leadership of **FIRST** in South Florida, we wish all of you great success, amazing fun, and super charged excitement! Best of luck to everyone! And let's the celebrations begin!

Sandra Contreras  
Regional Director  
**FIRST** South Florida



PRESENTED BY  **BOEING**





In RAPID REACT<sup>SM</sup> presented by The Boeing Company, two competing alliances are invited to process cargo for transportation. Each alliance is assigned a cargo color (red or blue, based on alliance affiliation) to process by retrieving their assigned cargo and scoring it into the hub. Human players assist the cargo retrieval efforts from within their terminals. In the final moments of each match, alliance robots race to engage with their hangar to prepare for transport!

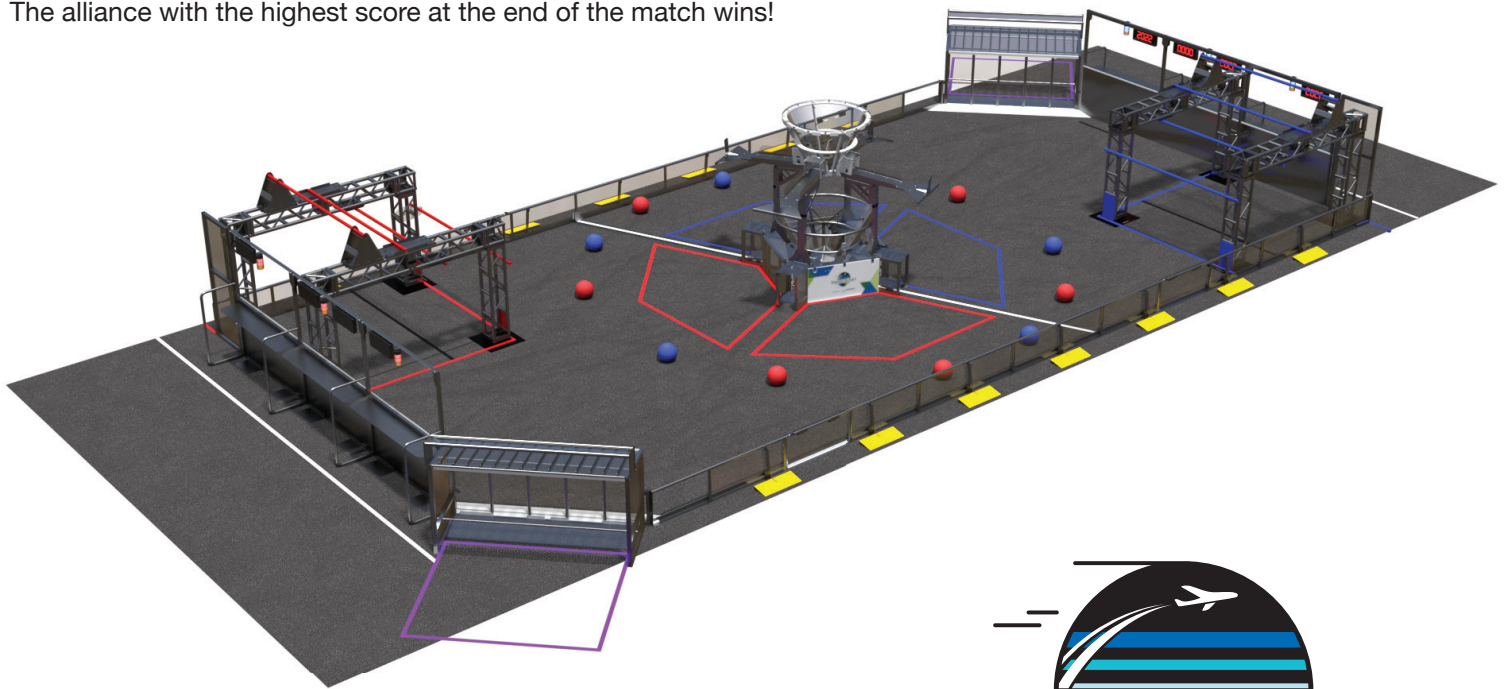
Each match begins with a 15-second autonomous period, during which time alliance robots operate only on pre-programmed instructions to score points by:

1. taxiing from their tarmac and
2. retrieving and scoring their assigned cargo into the hub.

In the final 2 minutes and 15 seconds of the match, drivers take control of the robots and score points by:

1. continuing to retrieve and score their assigned cargo into the hub and
2. engaging with their hangar.

The alliance with the highest score at the end of the match wins!



PRESENTED BY





View the 2022 game animation for the 2022 FIRST Robotics Competition game, RAPID REACT presented by The Boeing Company



Scan to View Animation



This is a complete list of FIRST® Robotics Competition awards. Please note that different event types (e.g. Regional events, District Competitions, Championship) offer a different set of awards. Not every award is presented at every FIRST Robotics Competition event.

**Autonomous Award** *sponsored by Ford*

Celebrates the team that has demonstrated consistent, reliable, high-performance robot operation during autonomously managed actions. Evaluation is based on the robot's ability to sense its surroundings, position itself or onboard mechanisms appropriately, and execute tasks.

**Chairman's Award**

The most prestigious award at FIRST®, it honors the team that best represents a model for other teams to emulate and best embodies the purpose and goals of FIRST.

**Creativity Award** *sponsored by Rockwell Automation*

Celebrates creativity that enhances strategy of play and was intentionally designed and not discovered.

**Digital Animation Award** *sponsored by AutomationDirect.com*

Celebrates the art of the digital animation and its close relationship to STEAM (Science, Technology, Engineering, Art, and Mathematics).

**Engineering Inspiration Award**

Celebrates outstanding success in advancing respect and appreciation for engineering within a team's school and community.

**Entrepreneurship Award**

Celebrates the entrepreneurial spirit and recognizes a team which has developed a comprehensive business plan in order to define, manage, and achieve the team's ongoing objectives.

**Excellence in Engineering Award**

Celebrates the team that demonstrates a professional approach to the design process.

**Finalist**

Celebrates the Alliance that makes it to the final match of the competition.

**FIRST Dean's List Award**

Celebrates outstanding student leaders whose passion for and effectiveness at attaining FIRST ideals is exemplary.

**Founder's Award**

Recognizes the organization or individual that has contributed significantly to the growth of FIRST.

**Gracious Professionalism® Award**

Celebrates outstanding demonstration of FIRST Core Values such as continuous Gracious Professionalism® working together both on and off the playing field.

**Highest Rookie Seed Award**

Celebrates the highest-seeded rookie team at the conclusion of the qualifying rounds.

**Imagery Award in honor of Jack Kamen**

In honor of Jack Kamen, Dean's father, for his dedication to art and illustration and his devotion to FIRST. This award celebrates attractiveness in engineering and outstanding visual aesthetic integration of machine and team appearance.

**Industrial Design Award** *sponsored by General Motors*

Celebrates the team that demonstrates industrial design principles, striking a balance between form, function, and aesthetics.

**Innovation in Control Award**

Celebrates an innovative control system or application of control components – electrical, mechanical, or software – to provide unique machine functions.

**Judges' Award**

During the course of the competition, the judging panel may decide a team's unique efforts, performance, or dynamics merit recognition.

**Quality Award**

Celebrates machine robustness in concept and fabrication.

**Rookie All-Star Award**

Celebrates the rookie team exemplifying a young but strong partnership effort, as well as implementing the mission of FIRST to inspire students to learn more about science and technology.

**Rookie Inspiration Award**

Celebrates a rookie team's outstanding success in advancing respect and appreciation for engineering and engineers, both within their school, as well as in their community.

**Safety Animation Award** *sponsored by UL*

Recognizes the team that submits a short animated film that best promotes the current season's team safety focus.

**Team Spirit Award**

Celebrates extraordinary enthusiasm and spirit through exceptional partnership and teamwork furthering the objectives of FIRST.

**Volunteer of the Year Award**

Presented to an individual, business, or organization that consistently excels in their efforts, with proven results in the areas of impact, leadership, personal commitment, community, and historical contributions.

**Winner**

Celebrates the Alliance that wins the competition.

**Woodie Flowers Finalist Award**

Presented to an outstanding mentor in the robotics competition who best leads, inspires, teaches, and empowers their team using excellent communication skills.

## 2022 SEASON FACTS

### STATS (AS OF 01/04/2022)

- 31<sup>st</sup> Season Game:  
RAPID REACT<sup>SM</sup> presented by The Boeing Company
- 3,225 Teams
  - 3,049 Veteran Teams
  - 176 Rookie Teams
- 80,600+ Youth Team Members
- 25,800+ Mentors/Adult Supporters
- 26 countries
 

<ul style="list-style-type: none"> <li>• Australia (35 teams)</li> <li>• Brazil (12 teams)</li> <li>• Canada (175 teams)</li> <li>• China (49 teams)</li> <li>• Chinese Taipei (35 teams)</li> <li>• Colombia (3 teams)</li> <li>• Czech Republic (1 team)</li> <li>• Dominican Republic (3 teams)</li> <li>• France (1 team)</li> <li>• Germany (1 team)</li> <li>• India (6 teams)</li> <li>• Indonesia (1 team)</li> <li>• Israel (57 teams)</li> </ul>	<ul style="list-style-type: none"> <li>• Japan (5 teams)</li> <li>• Libya (1 team)</li> <li>• Mexico (76 teams)</li> <li>• Netherlands (3 teams)</li> <li>• Poland (2 teams)</li> <li>• Singapore (2 teams)</li> <li>• South Africa (1 team)</li> <li>• Switzerland (1 team)</li> <li>• Turkey (105 teams)</li> <li>• Ukraine (1 team)</li> <li>• United Kingdom (2 teams)</li> <li>• USA (2,646 teams)</li> <li>• Vietnam (1 team)</li> </ul>
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### EVENTS

- 1 Live Kickoff: January 8, 2022 in Manchester, NH
- 133 Local Kickoffs tuning in via *FIRST*tv on Twitch
- 58 Regional Events
- 11 District Championships
- Chesapeake, Indiana, Israel, Michigan, Mid-Atlantic, New England, North Carolina, Ontario, Pacific Northwest, Peachtree, Texas/New Mexico Districts
- 90 District Events
- 1 Championship Event: April 20 - 23, 2022 in Houston, TX



PRESENTED BY



### ROBOT FACTS

- Weight: up to approximately 140 lbs. total
- Robots are remotely controlled
- Powered by a 12 volt battery

### KIT OF PARTS FACTS

- Items from more than 60 in-kind donors
- Over 450 different items distributed via the Kit of Parts system
- Kickoff Kits shipped to 133 Kickoff sites
- More than 78 tons of Kickoff Kit materials shipped all over the world by FedEx (weighs almost as much as the Space Shuttle Endeavour and eight Tyrannosaurus Rex dinosaurs)

### FIELD FACTS

- Playing area: 27' W x 54' L
- Robots shoot oversized tennis balls into funnel-shaped goals
- Robots traverse ascending monkey bars for bonus points

### SCHOLARSHIPS & ALUMNI

- *FIRST*<sup>®</sup> Scholarship Program – Exclusive scholarship opportunities for *FIRST* participants and alumni
- Career Guidance – How to leverage *FIRST* participation to explore career paths
- Networking – Opportunities to connect with other *FIRST* Alumni around the world
- Visit [firstinspires.org/alumni](https://firstinspires.org/alumni)

[www.firstinspires.org](https://www.firstinspires.org) | Our Future: Built Better Together



For the latest information on these events, visit [frc-events.firstinspires.org/](http://frc-events.firstinspires.org/)

### Mar 02-05

**Canadian Pacific Regional**  
Victoria, BC

**Lake Superior Regional**  
Duluth, MN

**Northern Lights Regional**  
Duluth, MN

**South Florida Regional**  
West Palm Beach, FL

### Mar 03-05

**FIM District Detroit Event**  
Detroit, MI

**FIM District Forest Hills Event**  
Grand Rapids, MI

**FIM District Kettering University Event #1**  
Flint, MI

**FIT District Waco Event**  
Waco, TX

**NE District Granite State Event**  
Salem, NH

**PNW District Clackamas Academy Event**  
Oregon City, OR

### Mar 03-06

**Hueneme Port Regional**  
Port Hueneme, CA

**Izmir Regional**  
Gazimur, Turkey

**New Taipei City x Hon Hai Regional**  
New Taipei City, Chinese Taipei

### Mar 04-06

**FIN District Kokomo Event presented by AndyMark**  
Kokomo, IN

**FIT District Dripping Springs Event**  
Dripping Springs, TX

**FMA District Bridgewater-Raritan Event**  
Bridgewater, NJ

**FMA District Hatboro-Horsham Event**  
Horsham, PA

**PNW District Glacier Peak Event**  
Snohomish, WA

### Mar 05

**CHS District Greater DC Event #1 Day 1**  
Washington, DC

**CHS District Greater Richmond Event #1 Day 1**  
Richmond, VA

**ONT District Humber College Event Day 1**  
Toronto, ON

### Mar 06

**CHS District Greater DC Event #1 Day 2**  
Washington, DC

**CHS District Greater Richmond Event #1 Day 2**  
Richmond, VA

**ONT District Humber College Event Day 2**  
Toronto, ON

### Mar 06-08

**ISR District Event #1**  
Ra'anana, Israel

### Mar 08-10

**ISR District Event #2**  
Ra'anana, Israel

### Mar 09-12

**Arizona North Regional**  
Flagstaff, AZ

**Electric City Regional**  
Anderson, SC

**Finger Lakes Regional**  
Rochester, NY

**Oklahoma Regional**  
Shawnee, OK

**Orange County Regional**  
Costa Mesa, CA

**Orlando Regional**  
Orlando, FL

**Regional Monterrey**  
Monterrey, Mexico

**Ventura County Regional**  
Port Hueneme, CA

### Mar 10-12

**FIM District Gull Lake Event**  
Richland, MI

**FIM District Kettering University Event #2**  
Flint, MI

**FIM District Milford Event**  
Milford, MI

**FIM District Rochester Event**  
Rochester, MI

**FIM District St. Joseph Event**  
St. Joseph, MI

**PCH District Dalton Event**  
Dalton, GA

**PNW District Wilsonville Event**  
Wilsonville, OR

### Mar 10-13

**Southern Cross Regional**  
Wollongong, Australia

### Mar 11-13

**FIT District Channelview Event**  
Channelview, TX

**FMA District Mount Olive Event**  
Flanders, NJ

**FNC District ECU Event**  
Greenville, NC

**NE District Pine Tree Event**  
Waterville, ME

**NE District Waterbury Event**  
Waterbury, CT

### Mar 12

**CHS District Greater DC Event #2 Day 1**  
Washington, DC

### Mar 13

**CHS District Greater DC Event #2 Day 2**  
Washington, DC

### Mar 13-16

**New York Tech Valley Regional**  
Albany, NY

### Mar 14-17

**Istanbul Regional**  
Sanyer, Turkey

### Mar 16-19

**Arizona Valley Regional**  
Scottsdale, AZ

**Central Illinois Regional**  
Peoria, IL

**Greater Pittsburgh Regional**  
California, PA

**Heartland Regional**  
Olathe, KS

**Tallahassee Regional**  
Tallahassee, FL

### Mar 17-19

**FIM District Escanaba Event**  
Escanaba, MI

**FIM District Livonia Event**  
Livonia, MI

**FIM District Muskegon Event**  
Muskegon, MI

**FIT District Austin Event**  
Austin, TX

**FIT District Fort Worth Event**  
Fort Worth, TX

**PCH District Columbus Event**  
Columbus, GA

**PNW District SunDome Event**  
Yakima, WA

### Mar 17-20

**San Diego Regional presented by Qualcomm**  
Del Mar, CA

**San Francisco Regional**  
San Francisco, CA

### Mar 18-20

**Bosphorus Regional**  
Sanyer, Turkey

**FIN District Columbus Event presented by Toyota**  
Columbus, IN

**FMA District Springside Chestnut Hill Academy Event**  
Philadelphia, PA

**FNC District UNC Asheville Event**  
Asheville, NC

**NE District North Shore Event**  
Reading, MA

**NE District Western NE Event**  
Springfield, MA

**PNW District Sammamish Event**  
Bellevue, WA

### Mar 19

**CHS District Greater DC Event #4 Day 1**  
Washington, DC

**CHS District Greater Richmond Event #2 Day 1**  
Richmond, VA

### Mar 20

**CHS District Greater DC Event #4 Day 2**  
Washington, DC

**CHS District Greater Richmond Event #2 Day 2**  
Richmond, VA

### Mar 20-22

**ISR District Event #3**  
Ra'anana, Israel

### Mar 20-23

**SBPLI Long Island Regional #1**  
Hempstead, NY

### Mar 22-24

**ISR District Event #4**  
Ra'anana, Israel

### Mar 23-26

**Buckeye Regional**  
Cleveland, OH

**Colorado Regional**  
Denver, CO

**Greater Kansas City Regional**  
Lee's Summit, MO

**Great Northern Regional**  
Grand Forks, ND

**Iowa Regional**  
Cedar Falls, IA

**Monterey Bay Regional**  
Seaside, CA

**Regional Laguna**  
Torreon, Mexico

**Sacramento Regional**  
Davis, CA

**Wisconsin Regional**  
Milwaukee, WI





For the latest information on these events, visit [frc-events.firstinspires.org/](http://frc-events.firstinspires.org/)

### Mar 24-26

**FIM District Belleville Event**  
Belleville, MI

**FIM District Lansing Event**  
Mason, MI

**FIM District Midland Event**  
Midland, MI

**FIM District West Michigan Event**  
Allendale, MI

**FIN District Tippecanoe Event**  
Lafayette, IN

**FIT District Irving Event**  
Irving, TX

**FIT District Pasadena Event #1**  
Pasadena, TX

**PCH District Carrollton Event**  
Carrollton, GA

**PNW District Oregon State Fairgrounds Event**  
Salem, OR

**SBPLI Long Island Regional #2**  
Hempstead, NY

### Mar 24-27

**Hangzhou Regional**  
Hangzhou, China

### Mar 25

**ONT District University of Waterloo Event Day 1**  
Waterloo, ON

### Mar 25-27

**FIM District Saline Event**  
Saline, MI

**FMA District Seneca Event**  
Tabernacle, NJ

**FNC District Guilford County Event**  
Gibsonville, NC

**NE District Central Mass Event**  
Shrewsbury, MA

**NE District Greater Boston Event**  
Revere, MA

**PNW District Auburn Event**  
Auburn, WA

### Mar 26

**CHS District Greater DC Event #3 Day 1**  
Washington, DC

**ONT District University of Waterloo Event Day 2**  
Waterloo, ON

**ONT District York University Event Day 1**  
North York, ON

### Mar 27

**CHS District Greater DC Event #3 Day 2**  
Washington, DC

**ONT District York University Event Day 2**  
North York, ON

### Mar 27-29

**FIRST Israel District Championship**  
Jerusalem, Israel

### Mar 30 - Apr 02

**Arkansas Regional**  
Searcy, AR

**Bayou Regional**  
Kenner, LA

**Central Valley Regional**  
Fresno, CA

**Hawaii Regional**  
Honolulu, HI

**Idaho Regional**  
Nampa, ID

**Las Vegas Regional**  
Las Vegas, NV

**Seven Rivers Regional**  
La Crosse, WI

**Smoky Mountains Regional**  
Knoxville, TN

**St. Louis Regional**  
St. Louis, MO

### Mar 31 - Apr 02

**FIM District Kentwood Event**  
Kentwood, MI

**FIM District Lakeview Event**  
Battle Creek, MI

**FIM District Macomb Event**  
Livonia, MI

**FIM District Troy Event**  
Troy, MI

**FIT District Amarillo Event**  
Amarillo, TX

**FIT District Pasadena Event #2**  
Pasadena, TX

**NE District Pease ANG Event**  
Portsmouth, NH

**PCH District Albany Event**  
Albany, GA

**PNW District West Valley Event**  
Spokane, WA

### Mar 31 - Apr 03

**Central Missouri Regional**  
Sedalia, MO

**Los Angeles Regional**  
El Segundo, CA

### Apr 01-03

**FMA District Bensalem Event**  
Bensalem, PA

**FMA District Montgomery Event**  
Skillman, NJ

**FNC District UNC Pembroke Event**  
Pembroke, NC

**PNW District Bonney Lake Event**  
Bonney Lake, WA

### Apr 02

**ONT District Windsor Essex Great Lakes Event Day 2**  
Windsor, ON

### Apr 03

**ONT District North Bay Event Day 2**  
North Bay, ON

### Apr 06-09

**Aerospace Valley Regional**  
Lancaster, CA

**FIRST Chesapeake District Championship sponsored by Newport News Shipbuilding**  
Hampton, VA

**FIRST In Texas District Championship**  
Houston, TX

**Green Country Regional**  
Tulsa, OK

**Midwest Regional**  
Chicago, IL

**Minnesota 10,000 Lakes Regional presented by Medtronic**  
Minneapolis, MN

**Minnesota North Star Regional**  
Minneapolis, MN

**Pacific Northwest FIRST District Championship**  
Cheney, WA

**Rocket City Regional**  
Huntsville, AL

**Utah Regional**  
West Valley City, UT

### Apr 07-09

**Festival de Robotique Regional Days 1-3**  
Montreal, QC

**FIM District Jackson Event**  
Spring Arbor, MI

**FIM District Kingsford Event**  
Kingsford, MI

**FIM District Traverse City Event**  
Traverse City, MI

**FIRST Mid-Atlantic District Championship**  
Bethlehem, PA

**Peachtree District State Championship**  
Macon, GA

### Apr 07-10

**New York City Regional**  
New York, NY

**Silicon Valley Regional**  
San Jose, CA

### Apr 08-10

**FIM District Walled Lake Event**  
Commerce, MI

**FIM District Woodhaven Event**  
Brownstown, MI

**FIRST North Carolina District State Championship**  
Lillington, NC

**NE District Hartford Event**  
Hartford, CT

**NE District WPI Event**  
Worcester, MA

### Apr 09

**ONT District St. Mary C.S.S. Event Day 1**  
Hamilton, ON

### Apr 10

**ONT District St. Mary C.S.S. Event Day 2**  
Hamilton, ON

### Apr 13-16

**Michigan State Championship**  
University Center, MI

**New England District Championship**  
West Springfield, MA

### Apr 14-16

**FIRST Ontario Provincial Championship**  
Mississauga, ON

**Indiana State Championship**  
Terre-Haute, IN

### Apr 20-23

**FIRST Championship Houston**  
Houston, TX

### Abbreviation Key

CHS – FIRST Chesapeake

FIM – FIRST in Michigan

FMA – FIRST Mid-Atlantic

FNC – FIRST North Carolina

FTA – FIRST in Texas

FIN – FIRST in Indiana

NE – New England FIRST

ONT – FIRST Ontario

PCH – Peachtree

PNW – Pacific Northwest

ISR – FIRST Israel

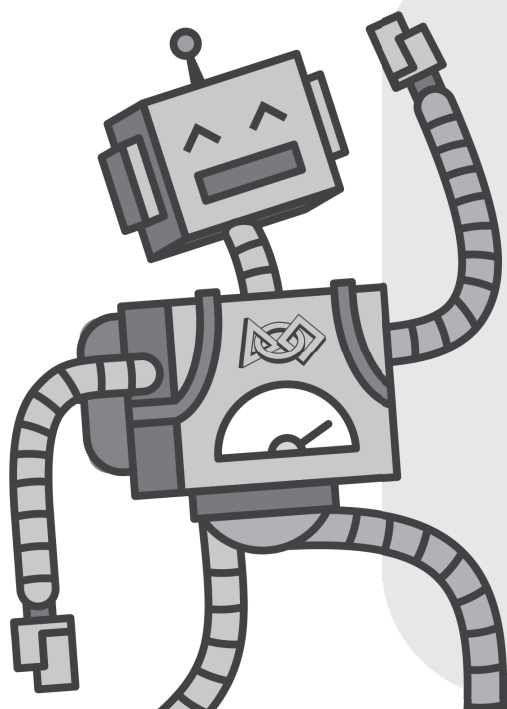


Team Number	Team School/Organization	Nickname	City	Rookie Year
<b>Colombia</b>				
7403	The Columbus School & Family/Community	Lightning Blue Lizards	Envigado	2019
<b>Dominican Republic</b>				
4707	Comunidad Educativa Lux Mundi	FORCE	Santo Domingo	2013
<b>Netherlands</b>				
4481	Team Rembrandts	Team Rembrandts	Eindhoven	2013
<b>Turkey</b>				
8754	Deutsche Schule İstanbul	Meister Robotics	istanbul	2022
<b>USA – Connecticut</b>				
2168	Robert E Fitch High School	Aluminum Falcons	Groton	2007
<b>USA – Florida</b>				
21	State of Florida, Astronaut High School & Titusville High School	ComBBAT	Titusville	1998
59	Miami Coral Park Sr High School	RamTech	Miami	1997
108	Dillard High School	SigmaC@T Robotics Team	Fort Lauderdale	1995
179	State of Florida & Inlet Grove Cmty High School	Children of the Swamp	Riviera Beach	1998
744	The State of Florida & Westminster Academy	Shark Attack	Fort Lauderdale	2002
1523	State of Florida, Jupiter Cmty HS, William T Dwyer HS & Palm Beach Gardens Cmty HS	MARS (Mega Awesome Robotic Systems)	Palm Beach Gardens	2005
1592	State of Florida, Cocoa Jr Sr High School & Holy Trinity Episcopal Academy	Bionic Tigers	Cocoa	2005
1744	State of Florida & Seacrest Country Day School	Robo Rays	Naples	2006
2383	State of Florida & American Heritage School	Ninjineers	Fort Lauderdale	2008
3164	Jesuit High School	Stealth Tigers	Tampa	2010
3410	State of Florida & Terra Environ Research Inst	Miami MEngs	Miami	2010
3627	Pine View School	The Jungle Robotics	Sarasota	2011
3932	State of Florida, Palm Beach County 4-H Association & St. Andrew's School	The Dirty Mechanics	Boca Raton	2012
4065	Lake Minneola High School	Nerds of Prey	Minneola	2012
4471	Hollywood Hills High School	SPARTRONS	Hollywood	2013
4592	State of Florida & McArthur High School	M3 Mighty Mechanical Mustangs	Hollywood	2013
5196	State of Florida & Stoneman Douglas High School	Breaking Bot	Pompano Beach	2014
5410	North Broward Prep School	Eaglebotics	Coconut Creek	2015
5472	State of Florida & American Heritage School-Boca Delray	Stallion Robotics: The Wyld Stallyns	Delray Beach	2015
5842	State of Florida & River Ridge High School	Royal Robotics	New Port Richey	2016
6685	State of Florida & Royal Palm Beach Cmty High School	Amped Up	West Palm Beach	2017
6686	State of Florida & Palm Beach Central High School	Bionic Broncos	West Palm Beach	2017



Team Number	Team School/Organization	Nickname	City	Rookie Year
<b>USA – Florida continued</b>				
7442	Port St Lucie High School	Jaggernaut	Port Saint Lucie	2019
7652	Miami Beach Senior High School	MiamiBeachBots	Miami Beach	2019
7833	Forest Hill Cmty High School	FALCONS	West Palm Beach	2019
8324	4-H	MECO Robotics 8324	Orlando	2020
8817	South Dade Senior High School	Buccaneer Robotics	Miami	2022
8845	Forest Hill Cmty High School	Forest Hill Falcons	West Palm Beach	2022
<b>USA – Louisiana</b>				
2183	Hahnville High School	Tigerbots	Boutte	2007
<b>USA – Massachusetts</b>				
348	Norwell High School	Norwell Robotics	Norwell	2000
<b>USA – Mississippi</b>				
2190	Petal High School	Team Hero	Petal	2007
<b>USA – Pennsylvania</b>				
2641	Central Catholic High School	PCCR	Pittsburgh	2008
<b>USA – Texas</b>				
4206	Nolan Catholic High School	Robo Vikes	Fort Worth	2012

# FIRST® Takes You Places



FIRST® creates opportunities for teams to explore new destinations, build friendships, and be part of a global movement working towards building a better future.

On your journey, **make your experiences more memorable and affordable.** Book your event housing with FIRST to:

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- Get **reservation protection** and assistance before, during, and after your stay if any unexpected challenges occur

[www.firstinspires.org/housing-travel](http://www.firstinspires.org/housing-travel)

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## Regional Judges

### Judge Advisor

#### Sue Skemp

Director Emeritus (Retired), Florida Atlantic University

### Judge Advisor in Training

#### Ilene Rein

Executive Recruiter, Marketing & Sales Resources  
Job Search Strategist, Pounding Pavement 101

### Judges

#### Ron Adams

Enterprise IT Developer - Retired Engineer

#### Gabriel Alsenas

Director of Core Facilities, Florida Atlantic University

#### Pierre Baillargeon

Senior Robotics Engineer, Scripps Florida

#### Robin Barkes

University School Assistant Professor, Florida Atlantic University

#### Warren Boudreaux

Project Engineer, Belcan Engineering

#### Frannie Capodicasa

Certified Wound Ostomy Continence Nurse, University Hospital

#### Alexandra Capodicasa

Scientist 1 - Formulations, Dell Technologies

#### Mark Casparian

Advanced Experiences Planner, Dell Technologies

#### Bob Cherinka

Chief Engineer, The MITRE Corporation

#### Camille Coley

Consultant, SDW Associates

#### Michael Greenberg

Software Engineer, Protocol Labs

#### Randi Karpinia

IP Lawyer/Engineer, Sagacity Legal

#### Robert Kurimski

Chief Technology Officer, Children's Services Council of Palm Beach County

#### Mark Lemasney

VP of Power Generation Engineering, NextEra Energy, Inc.

#### Cathy Miron

President & CEO, eSilo

#### David Nouri

Product Innovation Manager, UL LLC

#### Lisa Owena

Technical Sales Engineer, Richardson RFPD

#### Anne Paskavitch

PDG Plant Manager, Florida Power & Light Company

#### Stephen Petrock

Founder/Lead Consultant, SMPetrock

#### Laird Popkin

Managing Director, EY-Parthenon

#### Kathy Rendo

Retired Corporate Lawyer

#### Carlie Rein

Research Engineer, Massachusetts General Hospital

#### Dan Swando

Mechanical Engineer, Martin Aquatic Design & Engineering

#### LaMargo Sweezer-Fisher

Sr Director PDG Engineering & Technology, Florida Power & Light Company

#### Matt Trask

Chief Engineer and Grad, Perception and Cognitive Robotics Laboratory

#### Anouk Wipprecht

Owner, Head of Design, Anouk Wipprecht Inc.

#### Nancy Zehr

Sr. Registered Client Service Associate, Price Wealth Management





## 2022 South Florida Regional Schedule

### Wednesday, March 2, 2022

6:00PM-8:00PM 5 Team Reps to Load In and Set Up Pits

### Thursday, March 3, 2022

7:45AM 5 Team Reps to Load In  
8:30AM Pits, Machine Shop, Registration and Inspection Open  
9:00AM-11:00AM Driver's Meeting, Field Open for Measurement and Calibration  
11:00AM-12:00PM Lunch  
12:00PM-6:30PM Practice Matches  
8:00PM Pits and Machine Shop Close

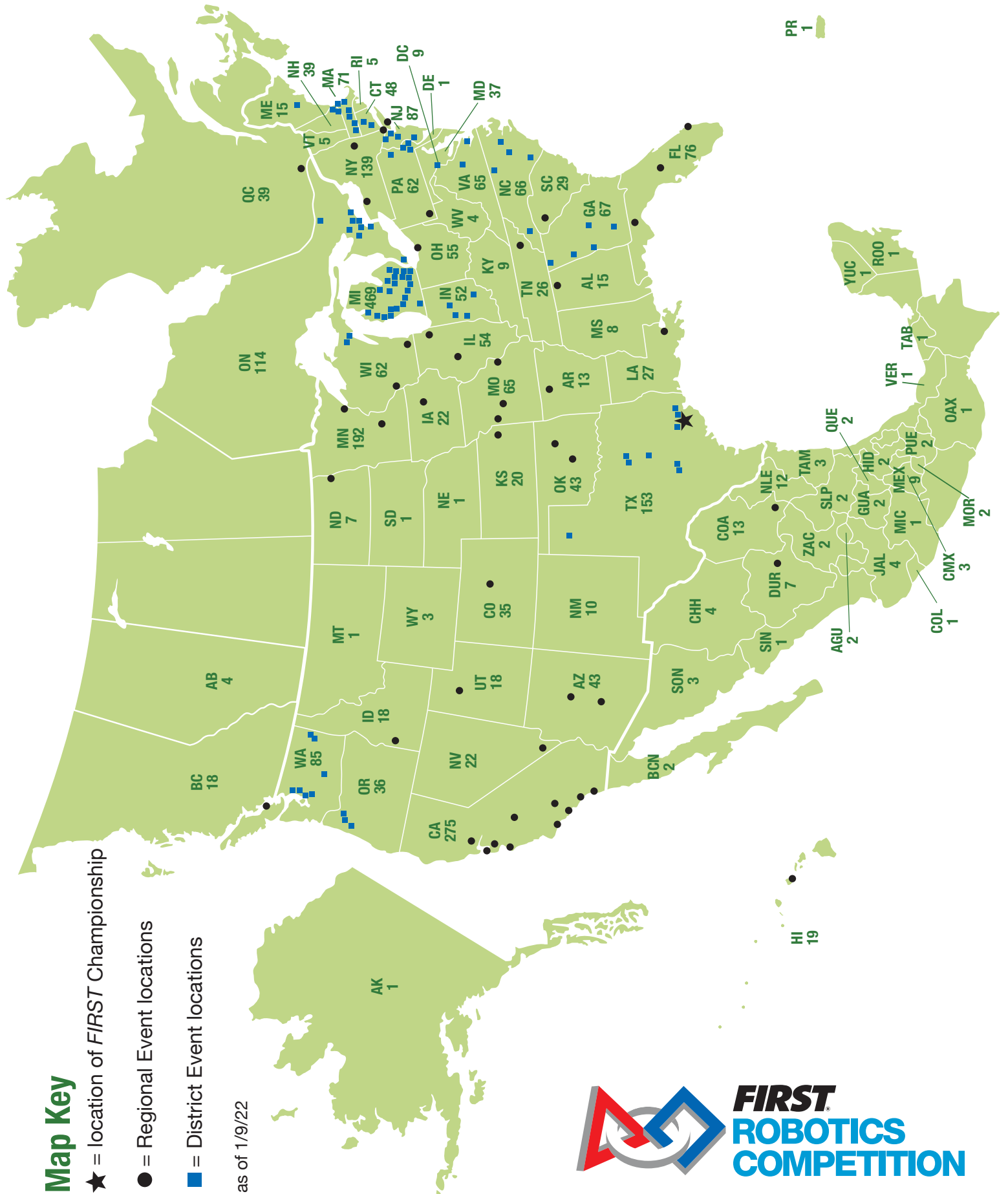
### Friday, March 4, 2022

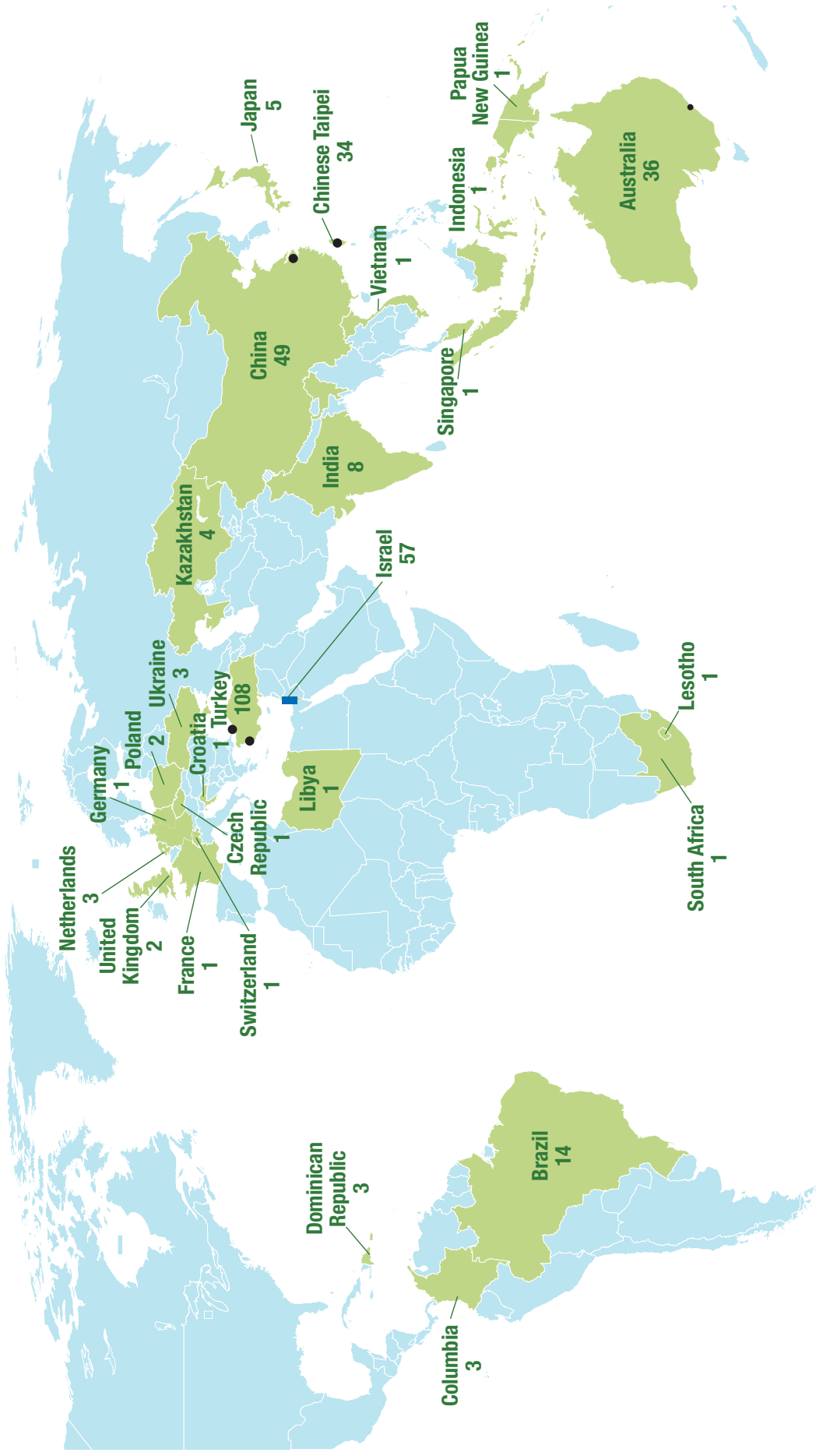
7:45AM Pits and Machine Shop Open  
7:50AM Senior Pictures  
8:30AM-9:00AM Opening Ceremonies  
9:00AM-12:00PM Qualification Matches  
12:00PM-1:00PM Lunch  
1:00PM-5:45PM Qualification Matches  
5:45PM-6:15PM Awards Ceremony  
~6:30PM\*\* Pits and Machine Shop Close immediately following Awards Ceremony

### Saturday, March 5, 2022

7:45AM Pits and Machine Shop Open  
8:30AM-9:00AM Opening Ceremonies  
9:00AM-12:15PM Qualification Matches  
12:15PM-12:30PM Alliance Selections  
12:30PM-1:30PM Lunch  
1:30PM-4:30PM Playoff Matches  
4:30PM-4:35PM Mascot Parade  
4:30PM-6:00PM Awards Ceremony  
6:30PM Pits Close

\*\*Schedule subject to change. All times are estimated based on flow of rounds. See Pit Administration table for updated times.







# Get Involved!

## Form a Team...

- Learn from engineering pros.
- Apply math and science concepts to design and build robots.
- Gain hands-on experience solving real-world problems.
- Learn about exciting science and technology careers.
- Make new friends.



## Be a Volunteer...

- Become a mentor or coach.
- Organize an event or program.
- Assist at a competition.
- Make a difference in young lives.



## Become a Team or Regional Sponsor...

- Provide financial support, equipment, parts, facilities, internships, or other services.
- Offer scholarships.
- Encourage employees to mentor or volunteer.
- Host an event.
- Build community goodwill.
- Inspire employees.
- Help build a technical workforce.

Contact: Sandra Contreras, *FIRST*<sup>®</sup>  
scontreras@FIRSTinspires.org  
OR visit us at <http://soflofrc.firstinflorida.org/>



## Donate!



- Help ensure thousands of students have access to unique learning experiences.
- Support the next generation of technological innovators and problem solvers.
- Scan this code with your smartphone to launch our secure [online donation page](#) on your browser.

**Thank you for your generosity!**





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# FIRST® ALUMNI

*FIRST*® prepares students for life beyond high school: education, career, and beyond.

## **FIRST ALUMNI STAND OUT TO EDUCATORS AND EMPLOYERS.**

They are smart, innovative, driven, and prepared for life beyond high school, whether they choose to pursue public service, continue their education, or dive into the workforce.

- The vast majority of *FIRST* alumni report **more confidence in leadership roles, time management, creative thinking, perseverance, and problem solving** after *FIRST* participation.
- 81% of *FIRST* alumni **declare majors in STEM by year four of college**, compared to 58% of a comparison group of students, according to the *FIRST* Longitudinal Impact Study conducted by Brandeis University. Many colleges and universities support *FIRST* alumni with scholarship opportunities to off-set the cost of college.

Learn more at [www.firstinspires.org/scholarships](http://www.firstinspires.org/scholarships)

**“WHEN YOU BECOME A *FIRST* ALUM, YOU UNDERSTAND JUST HOW WIDE THE *FIRST* NETWORK REACHES AND JUST HOW WILLING AND EXCITED THAT NETWORK IS TO HELP YOU ACHIEVE YOUR GOALS. I GOT INVOLVED WITH *FIRST* ALMOST NINE YEARS AGO, AND IT’S BEEN AMAZING TO SEE THE WAYS IN WHICH *FIRST* AND THE CONNECTIONS I FORMED THROUGH IT HAVE SHAPED MY JOURNEY EVER SINCE. I GRADUATED FROM A *FIRST* PARTNER SCHOOL, YALE UNIVERSITY, AND NOW WORK AS A MECHANICAL ENGINEER FOR DEAN KAMEN’S R&D COMPANY, DEKA, WHERE I GET TO WORK EVERY DAY ON REALLY COOL, LIFE-CHANGING MEDICAL TECHNOLOGY.”**

–Naoka Gunawardena, *FIRST* alum and mechanical engineer

## **FIRST CONTINUES TO SUPPORT *FIRST* ALUMNI AFTER HIGH SCHOOL.**

- *FIRST* Scholarship Program
- *FIRST* Alumni Handbook
- *FIRST* Alumni Networking Groups
- Resources for career advice online and in person

Learn more at [www.firstinspires.org/alumni](http://www.firstinspires.org/alumni)



## FIRST® Volunteers Delivering the Future Since 1992

“It’s not about how much we give but how much love we put into giving.” —Mother Teresa

Dear volunteers, how can we ever repay you for so much love and so much giving? Please accept our deepest gratitude for all you have done for FIRST® in South Florida.

Together We Deliver the Future!





## **FIRST<sup>®</sup> Alliances**

*FIRST* shares a fundamental vision with professional organizations, national non-profits, college/university alumni groups and others committed to sustaining key programs that 'ignite young minds'. These national relationships help increase the visibility of *FIRST* programs and provide valuable resources from state/local chapters. *FIRST* is pleased to acknowledge the current Alliances who play a key role in our success.

### **Alpha Omega Epsilon**

International Engineering/Technical Science Sorority  
[www.alphaomegaepsilon.org](http://www.alphaomegaepsilon.org)

### **American Society for Engineering Education (ASEE)**

[www.asee.org](http://www.asee.org)

### **Automation Federation/ISA**

[www.automationfederation.org](http://www.automationfederation.org)  
[www.isa.org](http://www.isa.org)

### **Boys & Girls Clubs of America**

[www.bgca.org](http://www.bgca.org)

### **Electronic Components Industry Association (ECIA) Foundation**

<https://www.ecianow.org/foundation>

### **Girl Scouts of the USA**

[www.girlscouts.org](http://www.girlscouts.org)

### **MIT Alumni Association**

<https://alum.mit.edu/>

### **National 4-H Council**

[www.4-H.org](http://www.4-H.org)

### **National Center for Women & Information Technology (NCWIT)**

[www.ncwit.org](http://www.ncwit.org)

### **National Fluid Power Association (NFPA) Foundation**

[www.nfpa.com](http://www.nfpa.com)

### **National Parent Teacher Association (PTA<sup>®</sup>)**

[www.pta.org](http://www.pta.org)

### **National Robotics Week**

[www.nationalroboticsweek.org](http://www.nationalroboticsweek.org)

### **Sigma Phi Delta**

The Premier International Fraternity of Engineers  
<https://sigmaphidelta.2stayconnected.com>

### **SIM foundation**

<https://foundation.simnet.org/>

### **Society of Hispanic Professional Engineers (SHPE)**

<https://shpe.org>

### **Society of Women Engineers (SWE)**

[www.swe.org](http://www.swe.org)

### **Triangle Fraternity**

[www.triangle.org](http://www.triangle.org)

### **Yale Science & Engineering Association (YSEA)**

[www.ysea.org](http://www.ysea.org)

*FIRST* is always seeking collaborative relationships with organizations that promote career opportunities in science, technology, engineering and math (STEM) and are looking for significant mentor, coach, and volunteer opportunities for their members. For more information, contact: [alliances@firstinspires.org](mailto:alliances@firstinspires.org)

# We are not using kids to build robots. We are using robots to build kids.

— Dean Kamen, Founder, *FIRST*®

Help *FIRST*® provide unique, hands-on STEM learning experiences to millions of students!



[www.firstinspires.org/donate](http://www.firstinspires.org/donate)



Your contribution is valuable. Thank you for joining *FIRST* as we work together to create a culture where science and technology are celebrated!



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY





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igus Inc.

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Snap Action, Inc.

TE Connectivity

## Bronze

Covestro

CUI Devices

Flex Seal

Mastercam

Next Gen Robots LLC

OneIPM

SolidProfessor

Tableau Software

The Siemon Company

Wolfram Research

Xilinx



# FIRST®— A Suite of Hands-On, STEM Learning Programs

FIRST® is the world's leading youth-serving nonprofit advancing STEM education. For over 30 years, students from all walks of life have developed self-confidence in STEM and valuable, real-world skills through FIRST that open pathways to a better future.

Through a suite of team-based robotics challenges and backed by a global network of mentors, coaches, volunteers, alumni, and sponsors, FIRST helps young people discover a passion for STEM and develop the skills they'll need to succeed in today's competitive workforce.

Children can start their journey with FIRST® LEGO® League and progress through FIRST® Tech Challenge and FIRST® Robotics Competition, or join any of our three programs based on age or grade level.



### Young Innovators Use Skills and Imagination to Solve Problems as a Team

FIRST LEGO League introduces STEM to children through fun, exciting hands-on learning. Participants gain real-world problem-solving experiences through a guided, global robotics program, helping today's students and teachers build a better future together. FIRST LEGO League's three age-appropriate divisions inspire youth to experiment and grow their critical thinking, coding, and design skills through hands-on STEM learning and robotics.

\*Ages vary by country

### It's Way More Than Building Robots

FIRST Tech Challenge students learn to think like engineers. Teams design, build, and program robots to compete in an alliance format against other teams. Robots are built from a reusable platform, powered by Android technology, and can be coded using a variety of levels of Java-based programming.

Participants and alumni have access to career discovery opportunities, networking, and the FIRST Scholarship Program.

### An Exciting Sport Built Around the World of STEM

FIRST Robotics Competition teams design, program, and build a robot starting with a standard kit of parts and common set of rules to play in a themed head-to-head challenge. Teams also build a brand, develop community partnerships for support, and work to promote STEM in their local community.

Participants and alumni have access to career discovery opportunities, networking, and the FIRST Scholarship Program.

At the heart of FIRST are its Core Values, which emphasize the contributions of others, friendly sportsmanship, teamwork, learning, and community involvement. These include *Gracious Professionalism*® (respect for others, being a good sport, and sharing what you learn) and *Coopertition*® (competing hard but also helping the other teams).

Learn more about FIRST and our suite of hands-on programs at [firstinspires.org](http://firstinspires.org)

We'd like to thank our current Strategic Partners who continue to help *FIRST*® grow.



And we'd like to thank our Founding Sponsors for their commitment to the vision of *FIRST*.



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

200 Bedford Street ■ Manchester, NH 03101 ■ 800.871.8326 ■ [www.firstinspires.org](http://www.firstinspires.org)

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