

REEFSCAPESM

PRESENTED BY 
Gene Haas Foundation



FIRST
ROBOTICS
COMPETITION

FIRST
DIVESM

PRESENTED BY Qualcomm

GREATER PITTSBURGH REGIONAL

Welcome

Welcome to the 2025 *FIRST*® Robotics Competition season: **REEFSCAPE**™ presented by Haas! Get ready to **dive deep** into STEM and collaboration as we explore life beneath the surface of the ocean.

REEFSCAPE is a centerpiece of the 2024-2025 cross-program season, **FIRST**® **DIVE**™ presented by **Qualcomm**. This ocean-themed season challenges *FIRST* teams to think boldly and creatively, working together to develop innovative technologies and impactful solutions that support aquatic life and advance undersea exploration.

To the students participating in *FIRST* around the globe: Congratulations on all you've achieved so far! This season, you'll sharpen your STEM skills – but remember: **FIRST is More Than Robots**®. You'll also develop essential real-world skills to thrive in any career, STEM or otherwise. On and off the competition field, you'll build important skills such as teamwork, resilience, a lifelong love of learning, and the confidence to **get anywhere** and achieve anything.

To the mentors, parents, volunteers, partners, sponsors, donors, and supporters driving the *FIRST* mission forward: **Thank you** for your invaluable contributions. Your dedication opens students' eyes to the incredible range of career opportunities made possible through STEM education. Thanks to your unwavering support, students are inspired to build futures that align with their unique talents and dreams.

As students envision their tomorrows, *FIRST* equips them with the skills they need to thrive today.

Let's go: Ready. Set. **Splash!**
Here's to an unforgettable season ahead.

Sincerely,

Chris Moore

Chris Moore, Chief Executive Officer, *FIRST*



Chris Moore

Dean Kamen

Dean Kamen, Founder, *FIRST*



Dean Kamen

Welcome to the 2025 *FIRST*[®] Robotics Competition Greater Pittsburgh Regional

Ahoy, REEFSCAPESM presented by Haas adventurers! We're thrilled to welcome students, parents, teachers, sponsors, volunteers, and spectators aboard for this fin-tastic occasion, the twenty-third year of the *FIRST*[®] Robotics Competition in Western and Central Pennsylvania.

To our Greater Pittsburgh Regional Teams:

Whether you've swum over from just down the stream or voyaged from faraway waters, we're excited to see your creative currents flow! This year's challenge, REEFSCAPE, has inspired months of brainstorming, designing, and building. Now it's time to test your mettle (and metal!) during Week 4 and see how you've reeled in innovative solutions.

You've navigated the tides of teamwork, honed your strategies, and engineered your way to this competition. Remember, in the spirit of *Gracious Professionalism*[®], your competitors today may become your co-pilots tomorrow. Make waves, have fun, and keep swimming toward greatness!

To our volunteers, mentors, teachers, and parents:

You are the anchors of this competition, keeping everything steady while empowering these students to chart their course. Your dedication fuels their creativity, builds their confidence, and inspires the next generation of leaders. Thanks for being the lighthouse guiding them through these uncharted waters!

To our sponsors and partners:

You are the wind in our sails, and we can't thank you enough for your contributions! Your support through funding, volunteering, internships, and leadership, helps create a tide of opportunity for these students. By investing in their potential, you're shaping a workforce that's innovative, energized, and prepared to tackle the waves of tomorrow's challenges.

To everyone here today:

Get ready to dive into the action! Cheer from the stands, explore the pits, and be sure to meet these remarkable students. They've worked tirelessly, and each of them deserves a tidal wave of applause. These young innovators are truly the future — and they're making quite a splash!

On behalf of the *FIRST*[®] Greater Pittsburgh Regional Planning Committee, we wish all teams smooth sailing, volunteers a sea of fun, and spectators a whale of a time! Best of luck, and let's make this year's REEFSCAPE one to remember.

Let's make some waves,
The *FIRST*[®] Greater Pittsburgh Regional Planning Committee



REEFSCAPESM

PRESENTED BY  HAAS
Gene Haas Foundation

Gameplay

In REEFSCAPESM presented by Haas, two competing alliances are invited to score coral, harvest algae, and attach to the barge before time runs out. Alliances earn additional rewards for meeting specific scoring thresholds and for cooperating with their opponents.

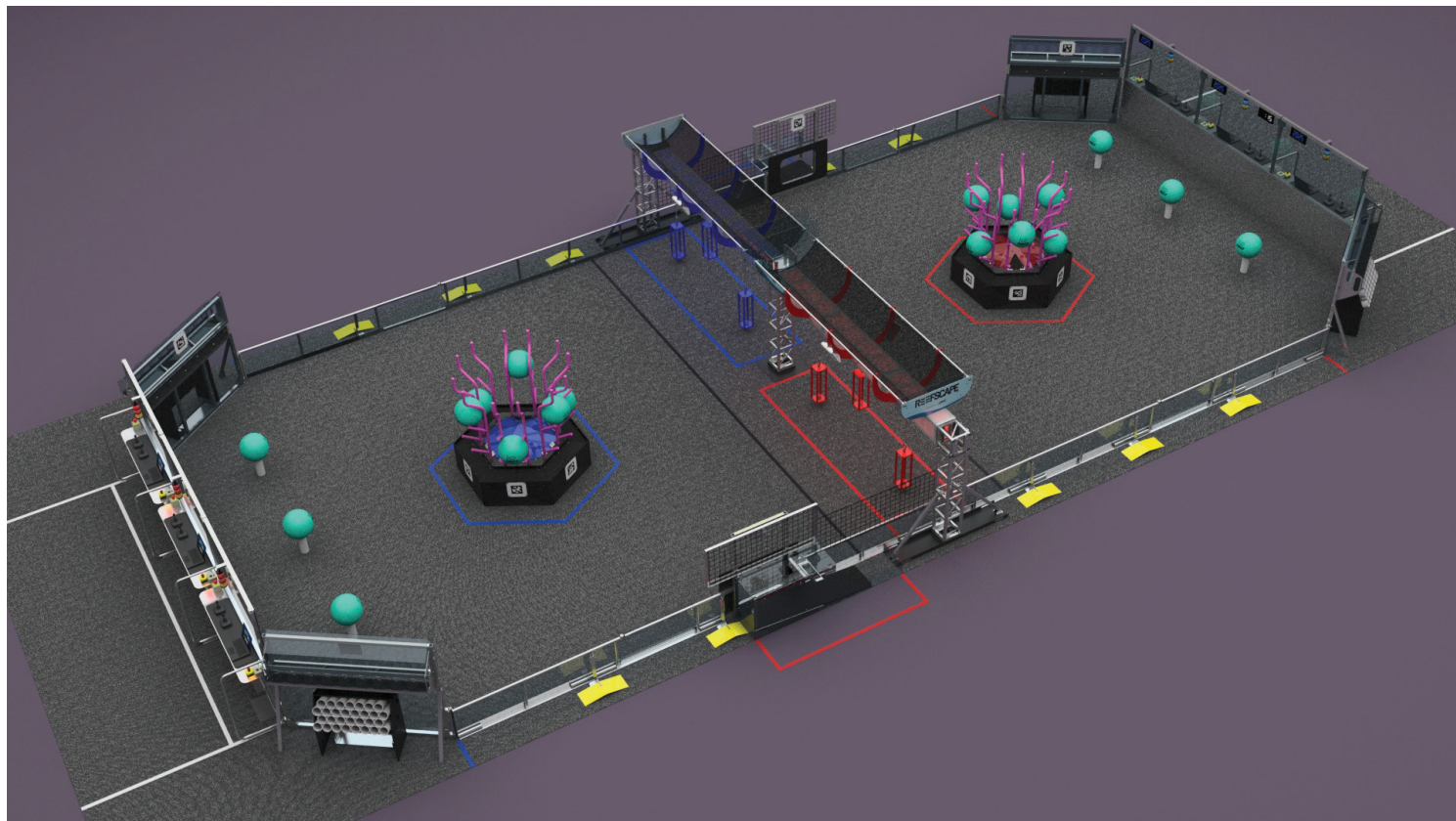
During the first 15 seconds of the match, robots are autonomous. Without guidance from their drivers, robots leave their starting zone, score coral on the reef, harvest algae from the reef, and collect and score additional coral.

During the remaining 2 minutes and 15 seconds, drivers control their robots. Robots collect coral from human players at their coral station and score them on the reef. To unlock all scoring locations on the reef, robots must dislodge algae from the reef and either score it in the barge or deliver it to the human player through the processor.

A human player can then deliver the algae to the barge. If at least two algae are scored in the processor by each alliance, both alliances earn a *Cooperation*[®] Point (which influences their rank in the tournament) and lowers the requirements for a ranking point.

As time runs out, robots prepare to return to the surface with their algae by grabbing onto their cages and parking under the barge.

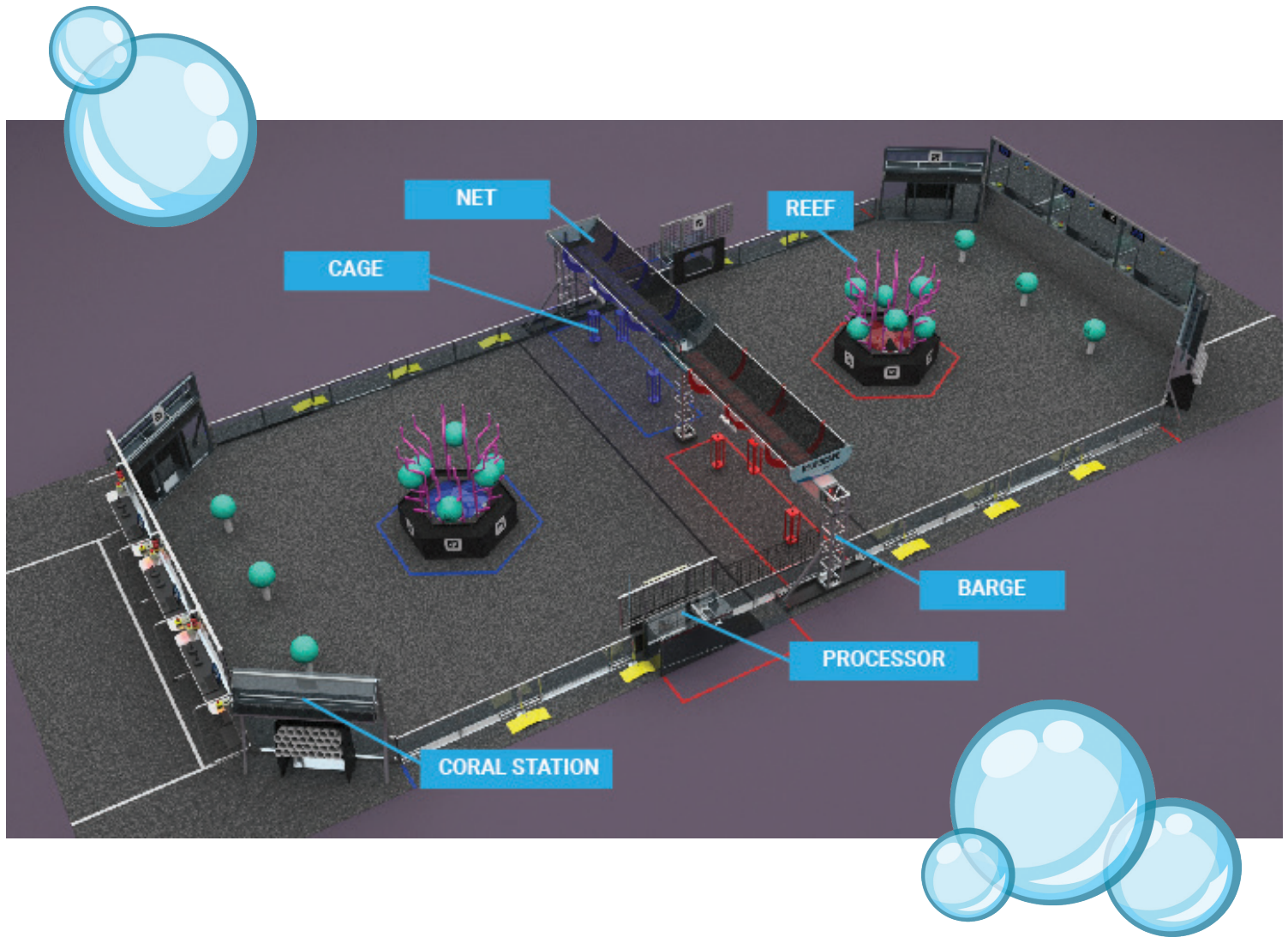
The alliance that earns the most points wins the match!



View the 2025 game animation for the 2025 FIRST Robotics Competition game, REEFSCAPESM.



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 Events, District Championships, Championship) offer a different set of awards. Not every award is presented at every FIRST Robotics Competition event.

Autonomous Award

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.

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.

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.

FIRST Impact 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.

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.

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 *sponsored by nVent*

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.

Rising All-Star Award

Celebrates the team that has persisted through challenges, despite the difficulties of being young. This could be the result of being a new team, or a team with recent turnover in membership.

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.

Safety Animation Award *sponsored by UL Solutions*

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.

Team Sustainability Award *sponsored by Dow*

Celebrates and recognizes a team which has developed sustainable practices to have a positive environmental impact and achieve long-term continuity.

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.



PRESENTED BY 
Gene Haas Foundation



STATS as of 01/03/2025

- 34th Season Game: REEFSCAPESM presented by Haas
- 3,701 Teams
 - 3,354 Veteran Teams
 - 347 Rookie Teams
- 92,525+ Youth Team Participants
- 29,605+ Coach/Mentors
- 30 countries:

Argentina (1 team)	Hungary (1 team)
Australia (43 teams)	India (7 teams)
Azerbaijan (1 team)	Israel (61 teams)
Belize (1 team)	Japan (6 teams)
Brazil (69 teams)	Mexico (87 teams)
Bulgaria (1 team)	Netherlands (2 teams)
Canada (194 teams)	Panama (3 teams)
China (40 teams)	Philippines (1 team)
Chinese Taipei (36 teams)	Poland (1 team)
Colombia (1 team)	Singapore (1 team)
Croatia (1 team)	South Africa (2 teams)
Czech Republic (2 teams)	Switzerland (1 team)
Dominican Republic (4 teams)	Türkiye (192 teams)
France (3 teams)	United Kingdom (2 teams)
Greece (1 team)	USA (2,936 teams)

EVENTS

- 168 Live Kickoff events and streaming on YouTube, 01/04/2024
- 69 Regional Events
- 103 District Events
- 12 District Championships:
- Chesapeake, FIRST in Texas, Indiana, Israel, Michigan, Mid-Atlantic, New England, North Carolina, Ontario, Pacific Northwest, Peachtree, South Carolina Districts
- 1 FIRST[®] Championship Event: April 16 - 19, 2025

KIT OF PARTS FACTS

- Items from more than 67 in-kind donors
- Nearly 400 different items distributed via the Kit of Parts system
- More than 100 tons of Kickoff Kit materials shipped all over the world by FedEx (weighing nearly as much as 283,500 tiger shrimps or half of one blue whale)

ROBOT FACTS

- Weight: up to a maximum of 135 lbs. total
- Robots are remotely controlled
- Powered by a 12-volt battery

FIELD FACTS

- Playing area: 26.5' W x 57.5' L
- Teams score game pieces, called Algae and Coral, into their Reef, Processor, and/or Net
- As time runs out, robots race to hang on Cages on their Barge

ALUMNI

- Participants and alumni of FIRST programs gain access to education and career discovery opportunities, connections to exclusive scholarships and employers, and a place in the FIRST community for life.
- More than 500,000 FIRST alumni globally
- Visit firstinspires.org/alumni



For the latest information on these events, visit frc-events.firstinspires.org/

Feb 24-25

ISR District Event #1
Hadera, M Israel

Feb 26- Mar 01

Canadian Pacific Regional
Vancouver, BC

Lake Superior Regional
Duluth, MN

Northern Lights Regional
Duluth, MN

Orange County Regional
Costa Mesa, CA

Regional Monterrey presented by PrepaTec
Monterrey, Mexico

Feb 26-27

ISR District Event #2
Hadera, M Israel

Feb 27- Mar 01

FIM District Kettering University Event #1
Flint, MI

FIM District Milford Event
Highland, MI

FIT District Waco Event
Waco, TX

PNW District Oregon State Fair Event
Salem, OR

Feb 27- Mar 02

Hueneme Port Regional
Port Hueneme, CA

Pinnacles Regional
Hollister, CA

Feb 28- Mar 02

CHS District Glen Allen VA Event presented by Dominion Energy
Glen Allen, VA

FIM District Battle Creek Event
Battle Creek, MI

FIM District Ferndale Event
Ferndale, MI

FIM District Lake City Event
Lake City, MI

FIN District Mishawaka Event
Mishawaka, IN

FIT District Tomball Event
Tomball, TX

FMA District Hatboro-Horsham Event
Horsham, PA

NE District Granite State Event
Salem, NH

NE District Southern Maine Event
Falmouth, ME

ONT District Newmarket Event
Newmarket, ON

PCH District Gainesville Event
Gainesville, GA

PNW District Glacier Peak Event
Snohomish, WA

Mar 04-06

Bosphorus Regional
Bakırköy, Türkiye

İstanbul Regional
Bakırköy, Türkiye

Mar 05-08

Arkansas Regional
Searcy, AR

Central Missouri Regional
Sedalia, MO

Festival de Robotique Regional
Saint-Laurent, QC

Hudson Valley Regional
Suffern, NY

Mar 06-08

FIM District Kettering University Event #2
Flint, MI

FIM District St. Joseph Event
St. Joseph, MI

FIT District Belton Event
Belton, TX

FSC District Hartsville Event
Hartsville, SC

ONT District Centennial College Event
Scarborough, ON

PCH District Dalton Event presented by Shaw Industries
Dalton, GA

PNW District Clackamas Academy Event
Oregon City, OR

Mar 06-09

New Taipei City Regional
Wugu District, Chinese Taipei

Southern Cross Regional
Cambridge Park, Australia

Ventura County Regional
Port Hueneme, CA

Mar 07-09

CHS District Pasadena MD Event presented by Ball Corp
Pasadena, MD

CHS District Portsmouth VA Event presented by Newport News Shipyard
Portsmouth, VA

FIM District Escanaba Event
Escanaba, MI

FIM District Mt Pleasant Event
Mt. Pleasant, MI

FIT District Plano Event
Plano, TX

FMA District Mount Olive Event
Flanders, NJ

FMA District Seneca Event
Tabernacle, NJ

FNC District Catawba County Event
Hickory, NC

Haliç Regional
Bakırköy, Türkiye

Marmara Regional
Bakırköy, Türkiye

NE District Greater Boston Event
Revere, MA

NE District Waterbury Event
Waterbury, CT

ONT District Niagara College Event
Welland, ON

PNW District Sammamish Event
Bellevue, WA

Mar 09-10

ISR District Event #3
Hadera, M Israel

Mar 11-12

ISR District Event #4
Hadera, M Israel

Mar 12-15

Arizona North Regional
Flagstaff, AZ

Finger Lakes Regional
Rochester, NY

Great Northern Regional
Grand Forks, ND

Magnolia Regional
Laurel, MS

Regional Brazil - Brasilia
Asa Sul, Brazil

Regional Leon presented by PrepaTec
Leon, Mexico

Rocket City Regional
Huntsville, AL

St. Louis Regional
St. Louis, MO

Utah Regional
West Valley City, UT

Mar 13-15

FIM District Belleville Event
Belleville, MI

FIM District Muskegon Event
Muskegon, MI

FIM District Traverse City Event
Traverse City, MI

FIM District Wayne State Event
Detroit, MI

FIT District San Antonio Event
San Antonio, TX

NE District URI Event
Kingston, RI

PNW District SunDome Event
Yakima, WA

Mar 13-16

Los Angeles Regional
El Segundo, CA

Shanghai Regional
Minhang District, China

Silicon Valley Regional
Woodside, CA

Tallahassee Regional
Tallahassee, FL

Mar 14-16

Ankara Regional
Çankaya, Türkiye

CHS District Bethesda MD Event presented by Capital One
Bethesda, MD

CHS District Severn MD Event
Severn, MD

FIM District Berrien Springs Event
Berrien Springs, MI

FIM District Jackson at Columbia Event
Brooklyn, MI

FIN District Kokomo Event
Russiaville, IN

FIT District Manor Event
Manor, TX

FMA District Robbinsville Event
Trenton, NJ

FMA District Springside Chestnut Hill Event
Philadelphia, PA

FNC District UNC Asheville Event
Asheville, NC

FNC District Wake County Event
Rolesville, NC

NE District Pine Tree Event
Lewiston, ME

NE District Western NE Event
Springfield, MA

ONT District Durham College Event
Oshawa, ON

PCH District Gwinnett Event presented by Gwinnett County School System
Lawrenceville, GA

PNW District Bonney Lake Event
Bonney Lake, WA

Mar 14-17

Sacramento Regional
Elk Grove, CA

Mar 15-17

FIT District Victoria Event
Victoria, TX

Mar 17-19

ONT District Humber Polytechnic Event
Etobicoke, ON

For the latest information on these events, visit frc-events.firstinspires.org/

Mar 19-22

Arizona East Regional
Tempe, AZ

Central Illinois Regional
Peoria, IL

Colorado Regional
Denver, CO

FIRST Long Island Regional
Hempstead, NY

Greater Pittsburgh Regional
Pittsburgh, PA

Green Country Regional
Tulsa, OK

Heartland Regional
Shawnee, KS

Orlando Regional
Orlando, FL

Regional Laguna presented by Peñoles
Torreon, Mexico

Seven Rivers Regional
La Crosse, WI

Mar 20-22

FIM District LSSU Event
Sault Ste. Marie, MI

FIM District West Michigan Event
Allendale, MI

FIT District Fort Worth Event
Fort Worth, TX

FIT District Houston Event
Houston, TX

FSC District North Charleston Event presented by South Carolina Department of Education
N. Charleston, SC

ONT District University of Waterloo Event
Waterloo, ON

PCH District Statesboro Event
Statesboro, GA

Mar 20-23

Hawaii Regional
Honolulu, HI

Regional Brazil - São Paulo
Vila Leopoldina, Brazil

San Diego Regional presented by Qualcomm
La Jolla, CA

Mar 21-23

CHS District Alexandria VA Event presented by US Department of Energy
Alexandria, VA

CHS District Blacksburg VA Event presented by Volvo
Blacksburg, VA

FIM District Mason Event
Mason, MI

FIM District Saline Event
Saline, MI

FIM District Troy Event
Troy, MI

FIM District Woodhaven Event
Brownstown Charter Twp, MI

FIN District Lafayette Event
Lafayette, IN

FMA District Bensalem Event
Bensalem, PA

FMA District Warren Hills Event
Washington, NJ

FNC District Mecklenburg County Event
Charlotte, NC

FNC District Pitt County Event
Greenville, NC

NE District UNH Event
Durham, NH

NE District WPI Event
Worcester, MA

ONT District North Bay Event
North Bay, ON

PNW District Auburn Event
Auburn, WA

PNW District Wilsonville Event
Wilsonville, OR

San Francisco Regional
San Francisco, CA

Mar 26-27

FIRST Israel District Championship
Jerusalem, JM Israel

Mar 26-29

Greater Kansas City Regional
Riverside, MO

Idaho Regional
Nampa, ID

Iowa Regional
Cedar Falls, IA

Las Vegas Regional
Las Vegas, NV

Miami Valley Regional
Cincinnati, OH

Midwest Regional
Arlington Heights, IL

Minnesota 10,000 Lakes Regional
Falcon Heights, MN

New York Tech Valley Regional
Albany, NY

Mar 27-29

FIM District Ferris State Event
Big Rapids, MI

FIM District Livonia Event
Livonia, MI

FIM District Macomb Event
Warren, MI

FIM District Midland Event
Midland, MI

FIM District Renaissance Event
Detroit, MI

FIN District Washington Event presented by Toyota Indiana and Vincennes University
Washington, IN

FIT District Amarillo Event
Amarillo, TX

ONT District Windsor Essex Great Lake Event
Windsor, ON

PCH District Albany Event presented by Procter & Gamble
Albany, GA

Phantom Lakes Regional
Mukwonago, WI

Mar 27-30

Contra Costa Regional
Pittsburg, CA

Mar 28-30

FIM District Kentwood Event
Kentwood, MI

FIT District Space City @ Friendswood Event
Friendswood, TX

FMA District Centennial Event
Warminster, PA

FMA District Montgomery Event
Skillman, NJ

FNC District UNC Pembroke Event
Pembroke, NC

NE District Hartford Event
Hartford, CT

NE District UVM Event
Burlington, VT

ONT District McMaster University
Hamilton, ON

Apr 02-05

Aerospace Valley Regional
Lancaster, CA

Bayou Regional
Kenner, LA

Buckeye Regional
Cleveland, OH

FIRST In Texas District Championship
Houston, TX

FIRST Mid-Atlantic District Championship
Bethlehem, PA

FIRST Ontario Provincial Championship
Mississauga, ON

Minnesota Granite City Regional
St. Cloud, MN

Minnesota North Star Regional
Minneapolis, MN

New England FIRST District Championship
West Springfield, MA

Oklahoma Regional
Shawnee, OK

Pacific Northwest FIRST District Championship
Cheney, WA

Peachtree District Championship presented by Mercer University
Macon, GA

Smoky Mountains Regional
Sevierville, TN

South Florida Regional
Coral Gables, FL

Apr 03-05

FIRST in Michigan State Championship
University Center, MI

FIRST Indiana State Championship
Greenwood, IN

FIRST South Carolina State Championship presented by Magna
Anderson, SC

Apr 03-06

Central Valley Regional
Fresno, CA

East Bay Regional
Berkeley, CA

FIRST Chesapeake District Championship
Upper Marlboro, MD

New York City Regional
New York, NY

Wisconsin Regional
West Allis, WI

Apr 04-06

FIRST North Carolina State Championship
Greensboro, NC

Apr 16-19

FIRST Championship presented by BAE Systems
Houston, TX

Abbreviation Key

CHS – FIRST Chesapeake

FIM – FIRST in Michigan

FIN – FIRST in Indiana

FMA – FIRST Mid-Atlantic

FNC – FIRST North Carolina

FSC – FIRST South Carolina

FTA – FIRST in Texas

ISR – FIRST Israel

NE – New England FIRST

ONT – FIRST Ontario

PCH – Peachtree

PNW – Pacific Northwest



Team Number	Nickname	City	Rookie Year
Chinese Taipei			
7497	MARAOH	Taipei	2019
USA — Michigan			
3539	Byting Bulldogs	Romeo	2011
USA — New York			
694	StuyPulse	New York	2001
2638	Rebel Robotics	Great Neck	2008
USA — Ohio			
379	The RoboCats	Girard	2000
451	Cat Attack Robotics	Maumee	2000
677	Murphy's Outlaws	Columbus	2001
2172	Steel Unit-E	Lakewood	2007
2399	The Fighting Unicorns	Shaker Heights	2008
2603	Steel Stingers	Medina	2008
3484	Short Circuit	Marysville	2011
4121	Viking Robotics	North Canton	2012
4145	WorBots	Worthington	2012
4269	CardinalBots	Columbus	2012
4601	Circuit Birds	Canfield	2013
5413	Stellar Robotics	Shelby	2015
5667	The Digital Eagles	New Albany	2015
6834	Bionic Warriors	Pataskala	2018
9194	Gemin√-1s	Kent	2023
9767	Magnificat MagnifiBots	Rocky River	2024
10207	Mastery (Millstream Alliance for Strategic Team work Engineering and Robotics in Youth)	Findlay	2025
10208	MAYHEM (Millstream Alliance for Youth in High Energy Machines)	Findlay	2025
10582	The Technochauns	Youngstown	2025
USA — Pennsylvania			
63	McDowell Robotics Team 63	Erie	1997
117	Steel Dragons Robotics	Pittsburgh	1998
709	Femme Tech Fatale	Bryn Mawr	2001
1708	AMP'D Robotics	McKeesport	2005
2095	Direct Current	Newtown Square	2007
2234	Alternating Current	Newtown Square	2007
2641	Pittsburgh Central Catholic Robotics	Pittsburgh	2008
2656	Quasics	Monroeville	2008
3260	SHARP	Pittsburgh	2010
3504	Girls of Steel	Pittsburgh	2011
4027	Centre Punch	State College	2012
4050	Biohazard	Chambersburg	2012
4150	FRobotics	Murrysville	2012
4467	Titanium Titans	Canonsburg	2013

Team Number	Nickname	City	Rookie Year
USA — Pennsylvania continued			
4991	Horsepower	Bridgeville	2014
5740	Trojanators	Cranberry Township	2015
7274	Brashear Bulls Robotics	Pittsburgh	2018
8705	Sci Tech FRC	Pittsburgh	2022
9004	Milliones Mega Mechatronic Wildcats	Pittsburgh	2023
9022	MC Robotics	Marion Center	2023
9415	The Westinghouse Bot-Dogs	Pittsburgh	2024
9475	Mon Valley Mammoths	Monessen	2024
10300	Obama FRC	Pittsburgh	2025
10512	Beyond Grad Greyhounds	Vanderbilt	2025
10513	Inspire Elevator Bots	Vanderbilt	2025
10515	Titanium Tethys	Vanderbilt	2025
10516	Hickory Hornets	Hermitage	2025
10517	Optimus Inspiration Robotics	Vanderbilt	2025
USA — Tennessee			
3984	Topper Robotics	Johnson City	2012
USA — West Virginia			
3492	Putnam Area Robotics Team (P.A.R.T.s)	Winfield	2011
7515	Dark Side Robotics	Williamstown	2019

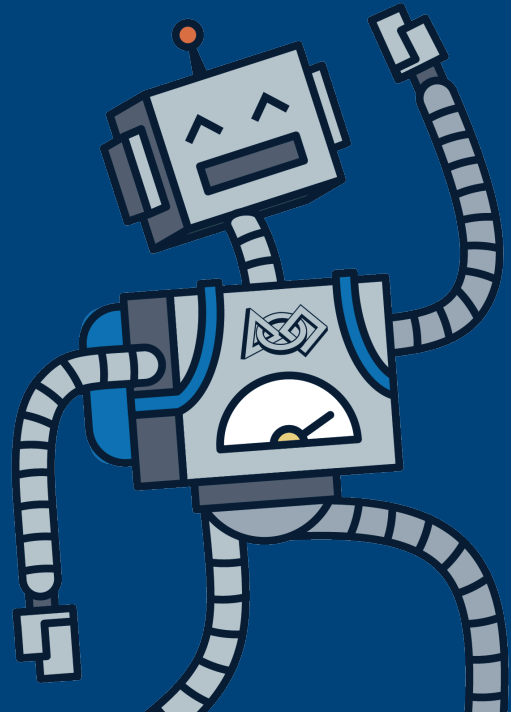
FIRST 2025 CHAMPIONSHIP

PRESENTED BY **BAE SYSTEMS**

Pack your bolts, bots, and bags!

As part of our ongoing commitment to ensuring the *FIRST*® Championship remains as safe, accessible, and affordable as possible for all teams, *FIRST* is partnering with travel experts ConferenceDirect and more than 150 Houston-area hotels to secure the best possible block-rates and reserve sufficient inventory for event participants. All registered teams traveling to the 2025 *FIRST* Championship presented by BAE Systems will be required to book their lodging accommodations within those designated hotel blocks.

- Convenient, *FIRST*-contracted amenities at most hotels including complimentary Wi-Fi, breakfast, and parking.
- Flexibility to make booking adjustments and pay later.
- Reservation protection and assistance before, during, and after your stay if any unexpected challenges occur.



Learn more about *FIRST* Championship accommodations at www.firstchampionship.org.



Sports & Exhibition Authority
of Pittsburgh and Allegheny County

SPORTS EVENT FUNDING PROGRAM

Welcome *FIRST*® teams! The Sports Event Funding (SEF) Program provides financial assistance to support major sporting events that provide significant economic impact to Allegheny County.

Funding may be up to **\$75,000**, in the form of a grant or loan.

Qualifying events include athletic or Esports events, whether professional or amateur, that are regulated and sanctioned by a regional, national, or international organization or association.

HOW TO APPLY



Applications are accepted twice a year, approximately **December 15 through January 15** and **June 15 through July 15** via an online grant portal.

Funding for the program is provided from the Pennsylvania Gaming Economic Development and Tourism Fund.



412-393-0200



sef@pgh-sea.com



www.pgh-sea.com

When you have the time, Pittsburgh has the place.

2025 Greater Pittsburgh Regional Schedule

Competition Schedule

Wednesday, March 19

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

Thursday, March 20

7:45AM - 9:00AM 5 Team Reps to Load In
 8:30AM Pits, Machine Shop, Registration, and Inspection Open
 8:30AM - 6:00PM Quiet Room Open, Room 337
 9:00AM - 11:00AM Driver's Meeting, Field Open for Measurement and Calibration
 11:00AM - 12:00PM Lunch
 12:00PM - 6:00PM Practice Matches
 6:30PM Pits and Machine Shop Close, Teams Exit the Building

Friday, March 21

8:00AM Pits and Machine Shop Open
 8:00AM - 6:00PM Quiet Room Open, Room 337
 8:30AM - 8:50AM Opening Ceremony
 8:50AM - 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 following Awards Ceremony
 Teams Exit the Building

Saturday, March 22

8:00AM Pits and Machine Shop Open
 8:00AM - 5:00PM Quiet Room Open, Room 337
 8:30AM - 8:50AM Opening Ceremony
 8:50AM - 12:00PM Qualification Matches
 ~12:00PM - 12:30PM Alliance Selections (begins 8 minutes after the end of Qualification Matches)
 12:30PM - 1:30PM Lunch
 1:30PM - 5:00PM Playoff Matches & Awards Ceremony
 ~5:30PM** Pits close 30 minutes following the close of the Closing Ceremony
 Teams Exit the Building

Activities Schedule

Thursday, March 20

8:30AM - 8:00PM Mentor's Lounge, Open Room 338
 ~11:00AM Safety Captain's Meeting Immediately Following Driver's Meeting, At NASA Machine Shop
 11:00AM - 12:00PM FIRST Ladies Meet-Up, Room 334

Friday, March 21

8:00AM - 6:00PM Mentor's Lounge, Open Room 338
 8:00AM - 6:30PM T-Shirt Memories, Near Pit Admin
 10:00AM - 4:00PM Scholarship Row, Exhibit Hall A
 12:00PM Senior Photo, Playing Field
 12:15PM - 1:00PM Mentor's Meeting Mentor's Lounge, Room 338, Bring your Lunch

Saturday, March 22

8:00AM - 5:00PM Mentor's Lounge Open Room 338
 8:00AM - 6:30PM T-Shirt Memories, Near Pit Admin
 10:00AM - 4:00PM FIRST® LEGO® League Explore, FIRST® LEGO® League Challenge, and FIRST® Tech Challenge Demonstration Exhibit Hall A
 10:00AM - 1:00PM Scholarship Row, Exhibit Hall A
 12:10PM - 12:15PM Mascot Parade, Playing Field

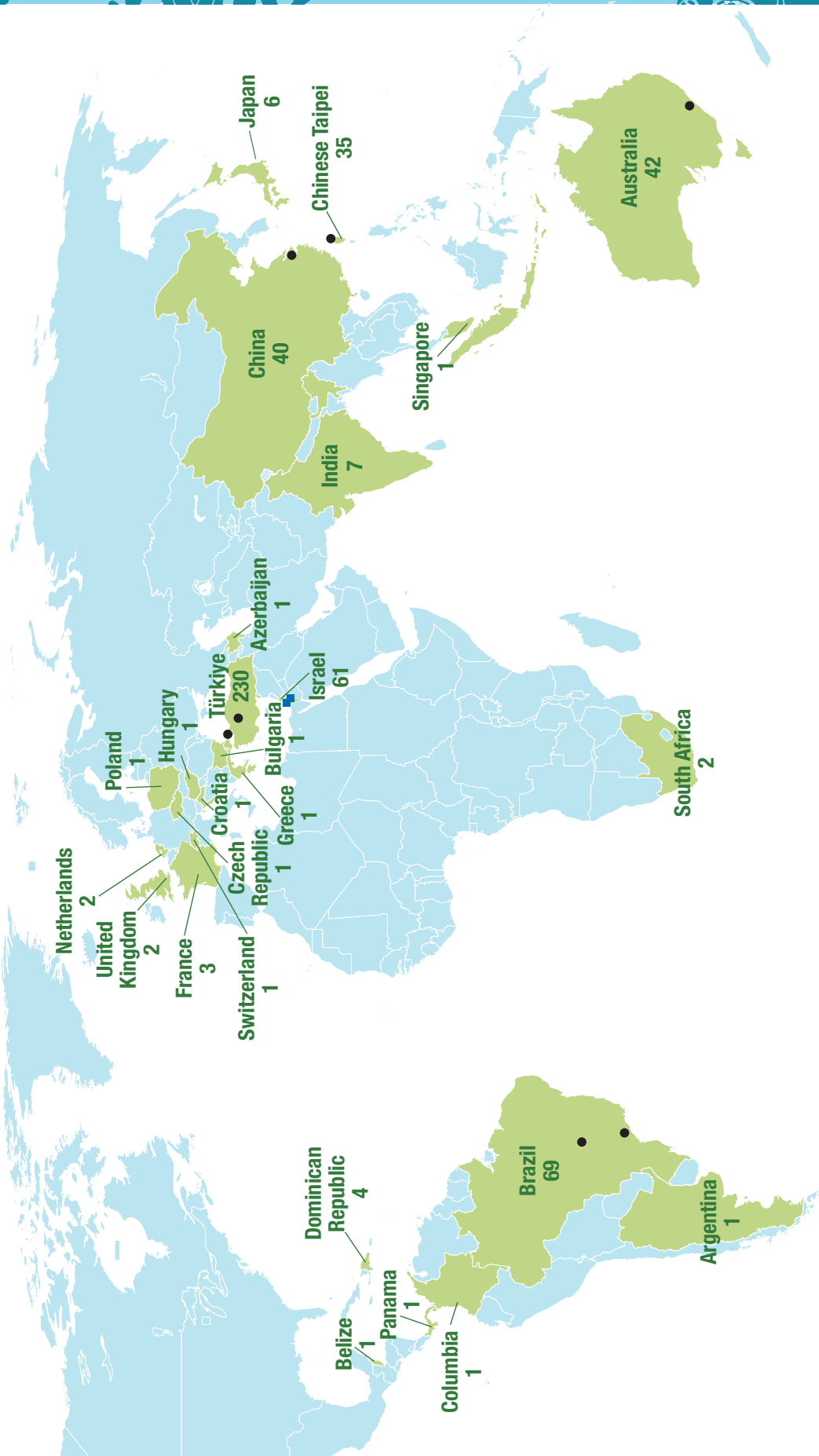
Judge Advisor

Liz Arey
 Comcast NBC Universal

We thank our Judges, some of whom have been judging the Greater Pittsburgh Regional Competition since it began over twenty years ago. Our judges are among the best of the best in local and regional industry and technology. In the past and today, they are a part of the many organizations that generously mentor, guide, and support our students including:

- | | |
|---|--------------------------------|
| Amazon | FedEx |
| All-Tronics Medical Systems | Lakeland Community Collage |
| Bechtel Plant Machinery | Google, Inc. |
| BWX Technologies, Inc. | Microsoft Corp. |
| California University of Pennsylvania | Naval Nuclear Laboratory |
| Carnegie Mellon University - National Robotics Engineering Center | ONExia, Inc. |
| Dow Chemical | Penn State Public Broadcasting |
| Expedient | Society of Women Engineers |
| | Society of Broadcast Engineers |
| | Rockwell Automation, Inc. |
| | Titan Robotics |

**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.

Contact: Daphne Frownfelter, Regional Director, Pennsylvania, Chief State Advocate, *FIRST*[®], 610-401-4310, dfrownfelter@firstinspires.org or visit <https://www.firstinspires.org/frc/start-a-team>



Be a Volunteer...

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

Contact: Daphne Frownfelter, Regional Director, Pennsylvania, Chief State Advocate, *FIRST*, 610-401-4310, dfrownfelter@firstinspires.org or visit <https://firstwcpa.org/volunteers/>



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: Daphne Frownfelter, Regional Director, Pennsylvania, Chief State Advocate, *FIRST*, 610-401-4310, dfrownfelter@firstinspires.org or visit <https://firstwcpa.org/supporters/>

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!

Thank You to Our Sponsors

Greater Pittsburgh Regional

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When you have the time, Pittsburgh has the place.

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Participants and alumni of *FIRST* programs gain access to education and career discovery opportunities, connections to exclusive scholarships and employers, and a place in the *FIRST* community for life.

www.firstinspires.org/alumni

“

Participating in all *FIRST* programs had an indelible impact on my life. *FIRST* provided me with a robust foundation I have relied on throughout my career across the private and public sectors, most recently serving on The White House's National Security Council staff. This foundation of invaluable skills includes teamwork, leadership, public speaking, stakeholder management, and more. *FIRST* has enabled me to explore my interests and strengths at an early age. *FIRST* has changed my career and my life.

”



Shrey Majmudar, *FIRST* Alum

FIRST® Volunteers Inspiring the Future

From the expertise of veterans who return year after year, to the enthusiasm of first-timers, volunteers are the critical component that make our events successful. Thank you to every volunteer – we could not do this without you.

All the inspiration that happens through FIRST® happens because VOLUNTEERS were there.

Want to join us? We have opportunities for both technical and non-technical volunteers and committee positions. Please contact us at FIRSTWCPAvolunteers@gmail.com for more information.



FIRST® 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

Automation Federation / International Society for Automation (ISA)

www.isa.org

Boys and Girls Clubs of America

www.bgca.org

Girl Scouts of the USA

www.girlscouts.org

National 4-H Council

www.4-H.org

National Center for Women & Information Technology (NCWIT)

www.ncwit.org

National Society of Black Engineers (NSBE)

<https://nsbe.org/>

Sigma Phi Delta

The Premier International Fraternity of Engineers
<https://sigmaphidelta.org>

Society of Hispanic Professional Engineers (SHPE)

<https://shpe.org>

SIM Foundation

<https://foundation.simnet.org>

Society of Women Engineers (SWE)

www.swe.org

Triangle Fraternity

www.triangle.org

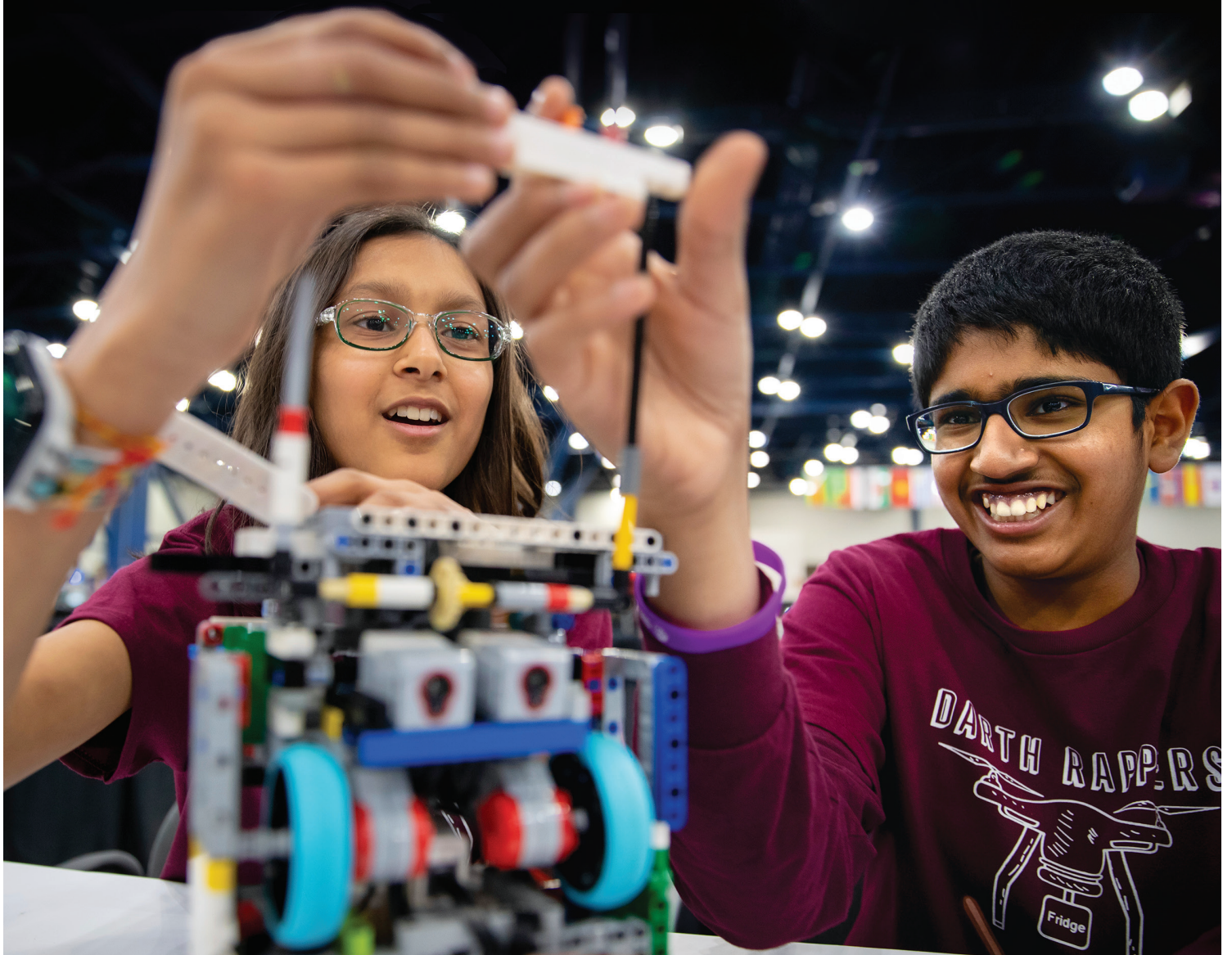
FIRST is always seeking collaborative relationships with organizations that promote career opportunities in science, technology, engineering and math (STEM) and are looking for significant mentor, coach, and volunteer opportunities for their members. For more information please visit: <https://www.firstinspires.org/about/our-supporters/alliances>





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



Your contribution is appreciated. Thanks for joining *FIRST* as we create a culture that celebrates science and technology!

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Industry Assn.
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ScreenSteps



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

FIRST® is the world's leading youth-serving nonprofit advancing STEM (science, technology, engineering, and math) 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 become leaders and innovators in any industry.

Children can join any of these three programs based on age or grade level. Ages may vary by region.

Grades PreK-8 · Ages 4-16



Young Innovators Using 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 using LEGO® technology, helping today's students and teachers build a better future together. FIRST LEGO League's three divisions inspire youth to experiment and grow their critical thinking, coding, and design skills and showcase what they learned.

Grades 7-12 · Ages 12-18



It's Way More Than Building Robots

FIRST® Tech Challenge students work together with their mentors to design and build robots to compete in a dynamic and exciting challenge released every September. Teams program classroom-scale robots to follow autonomous commands before student drivers take control in two-on-two matches. On and off the field, students develop STEM skills, engage in community outreach, practice engineering innovation, and build confidence to help them succeed.

Grades 9-12 · Ages 14-18



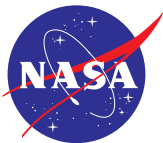
An Exciting Sport Built Around the World of STEM

Each January brings a new challenge for FIRST® Robotics Competition teams. Starting with a Kit of Parts, they design, program, and build industrial-sized robots to play an action-packed game on a themed field as part of a three-team alliance. Guided by mentors and sponsors, students learn engineering and problem-solving skills as they compete for awards, create a team identity, raise funds, hone teamwork skills, and advance appreciation for STEM in their community.

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

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

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