



FIRST ROBOTICS ONTARIO DISTRICT COMPETITION
Georgian College
March 15-17, 2024

FIRST. IN **SHOW**

PRESENTED BY Qualcomm

WELCOME

Greetings, FIRST® Robotics Competition teams and welcome to another year filled with creativity, big ideas and bold action!

We're thrilled to see you take the stage for CRESCENDOSM presented by Haas, part of the 2023-2024 cross-program season, FIRST® IN SHOWSM presented by Qualcomm. This year, we're shining a spotlight on the role STEM plays in the arts and how it empowers young people, like you, to design and build a world of endless possibilities.

Take a moment to consider just how intertwined STEM and the arts often are. So much of the artistic content we produce and consume has been inspired and brought to life by STEM. It's our STEM skills that help us design a logo, costume, or movie set from a blank canvas, 3-D print a sketch, light the stage for a photoshoot, or rock an arena with a jaw-dropping performance. Our skills and knowledge empower us to be creative, pursue our big ideas, and build what some may only dream of.

To our teams competing this year, congratulations. Your creative spirit, acts of *Gracious Professionalism*®, and collective passion for making a positive difference in the world have touched the hearts of your peers, mentors, local communities, and all of us here at *FIRST*.

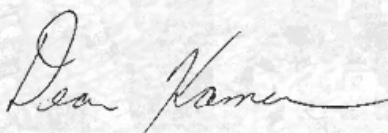
And to the mentors, parents, volunteers, partners, sponsors, donors, alumni, and many supporters who invest in *FIRST* participants in countless ways: thank you. You empower students to explore their full potential, forge new paths, and find ways to make an impact, do good, and inspire others to do the same.

As you all step onto the competition stage, remember that *FIRST* is *More Than Robots*®. Your journey with *FIRST* will help you design your life's path, from building perseverance as you overcome obstacles to illuminating career paths you might not have considered – including those in the arts. Just ask our esteemed alumni, some of whom became audio engineers, architectural visualization specialists, VFX artists, cinematographers and more, all while remaining an integral part of our STEM community.

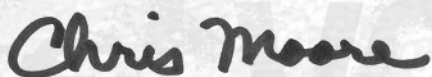
By embracing the connections between STEM and the arts, you're not only shaping the future of technology and science but pioneering the frontiers of human creativity.

The boundaries of what's possible are stretched and reshaped by your collective imagination and resilience, and we can't wait to see the wonders you'll create.

With that said – Lights, Camera, STEAM!
Sincerely,



Dean Kamen, *FIRST* Founder



Chris Moore, *FIRST* CEO



Dean Kamen



Chris Moore

3

Welcome to the 2024 FIRST® Robotics Competition Georgian College District Event

Welcome to Georgian College!



Aaniin, She:Kon, Nakurmiik, Tanshi, which means hello in Ojibwe, Mohawk, Inuktitut and Michif (the traditional language of the Métis). Welcome to Georgian and this exciting weekend as talented teams from across Ontario get ready to compete in the ultimate sport for the mind. Over the next three days, imagination and innovation will collide as you problem solve, test ideas, and ultimately build some impressive robots.

What I love about the theme CRESCENDO this year is that it's shining a light on the role science, technology, engineering, arts and math can all play in empowering us to design and create a world of possibilities. We can't wait to see your ideas in action!

We host this competition at Georgian because we believe in the incredible talent and potential of young people. You're the next generation of changemakers and leaders we want to support, educate and inspire. The skills we equip our students with – and the skills you're practising over the next few days– are ones you'll later rely on to solve complex challenges in your community and workplace

In between the fierce competition and fun, I invite you to explore our campus, connect with friendly members of Team Georgian, and check out our facilities. You'll discover they include the latest robotics, mechatronics, electronic and manufacturing technologies.

Wishing you all the best and I hope to see you on campus again soon. I know you'll make your schools, mentors and the companies that support you very proud!

Thank you. Chi-Miigwech.

A handwritten signature in blue ink, appearing to read 'Kevin Weaver'. The signature is fluid and cursive, written on a white background.

Kevin Weaver
Georgian President and CEO



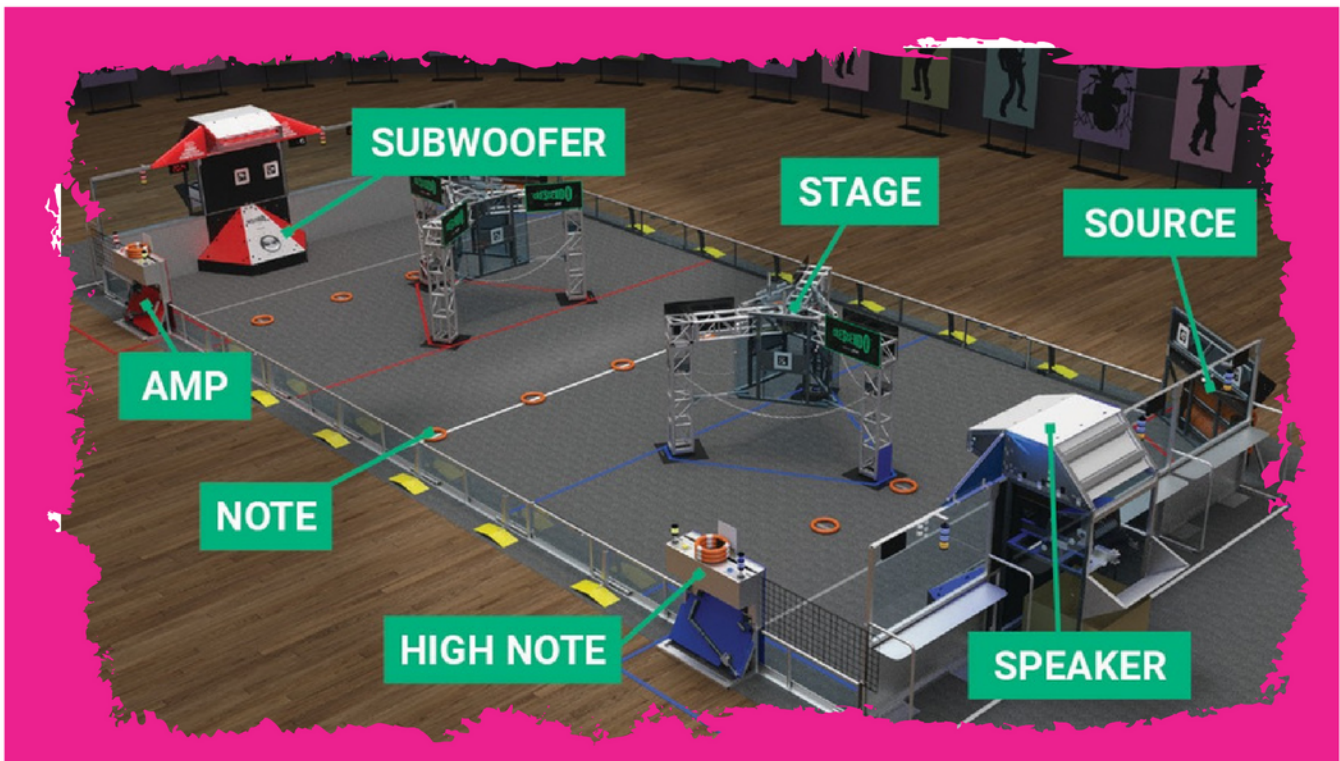
CRESCENDOSM

PRESENTED BY  Haas
Gene Haas Foundation

Gameplay

Inspired by the art and experiences that entertain us and move us CRESCENDOSM presented by Haas will shine the spotlight on the impact that engineering and innovation have on art.

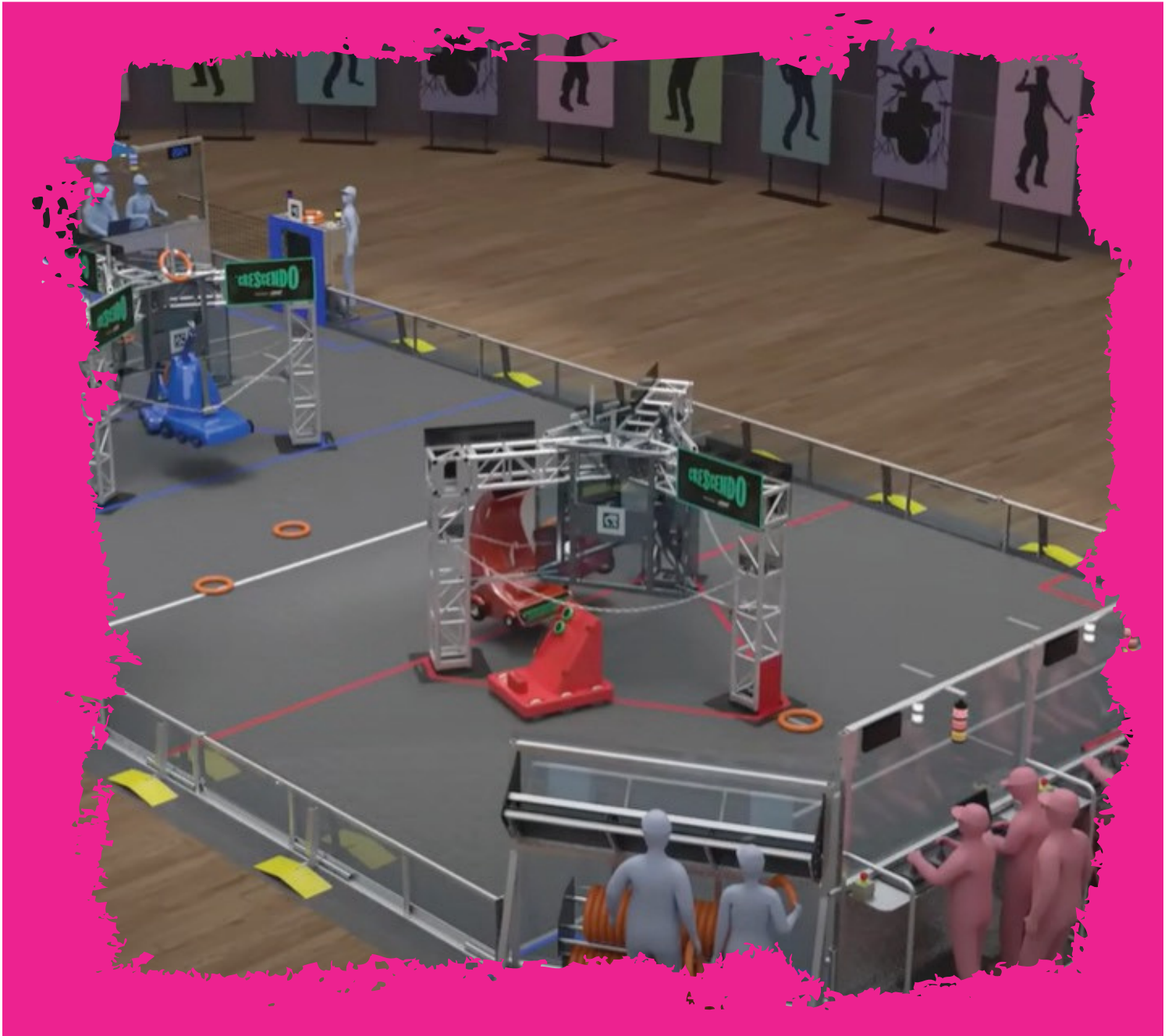
- Teams will use their STEM skills and creative power to turn up the volume as they design, build, and program their robots for action-packed game play.
- Each match begins with a 15-second autonomous period, during which robots operate only by pre-programmed instructions to move from their starting positions and score game pieces, called notes, into their two goals: the speaker and the amp. They also use this time to collect additional notes from around the field.
- In the remaining 2 minutes and 15 seconds, drivers control their robots and continue earning points through strategic match play. Once two notes are scored in an alliance's amp, the human player can hit a button to increase the value of notes scored in their speaker for 10 seconds.
- At the end of the match, robots race to climb on chain, score notes in a pocket called a trap, and harmonize by hanging multiple robots on a single chain. Humans throw high notes onto their microphones to boost points associated with robots on the corresponding chains.
- The alliance with the highest score at the end of the match wins!



View the 2024 game animation for the 2024 *FIRST* Robotics Competition game, CRESCENDO.



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

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 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.

CRESCENDOSM

PRESENTED BY 
Gene Haas Foundation



STATS

(AS OF 01/04/2024)

- 33 Season Game: CRESCENDOSM presented by Haas
- 3,468 Teams
 - 3,141 Veteran Teams
 - 327 Rookie Teams
- 86,700+ Youth Team Members
- 27,700+ Mentors/Adult Supporters
- 28 countries:
 - Australia (36 teams)Israel (62 teams)
 - Azerbaijan (1 team)Japan (6 teams)
 - Belize (1 team)Mexico (86 teams)
 - Brazil (57 teams)Netherlands (3 teams)
 - Bulgaria (1 team)Panama (1 team)
 - Canada (202 teams)Philippines (1 team)
 - China (22 teams)Poland (1 team)
 - Chinese Taipei (28 teams)Romania (1 team)
 - Colombia (1 team)Singapore (1 team)
 - Croatia (1 team)Sweden (1 team)
 - Czech Republic (2 teams)Switzerland (1 team)
 - Dominican Republic (2 teams)Türkiye (138 teams)
 - France (3 teams)United Kingdom (3 teams)
 - India (6 teams)USA (2,800 teams)

EVENTS

- 144 Live Kickoff events and streaming on FIRSTtv
- (01/06/2024) 62 Regional Events
- 98 District Events
- 11 District Championships:
 - Chesapeake, Indiana, Israel, Michigan, Mid-Atlantic, New England, North Carolina, Ontario, Pacific Northwest, Peachtree, Texas/New Mexico Districts
- 1 FIRST® Championship Event: April 17 - 20, 2024

KIT OF PARTS FACTS

- Items from more than 65 in-kind donors
- Nearly 500 different items distributed via the Kit of Parts system
- More than 72 tons of Kickoff Kit materials shipped all over the world by FedEx (weighing more than 150 grand pianos)

ROBOT FACTS

- Weight: up to approximately 125 lbs.
- total Robots are remotely controlled
- Powered by a 12-volt battery

FIELD FACTS

- Playing area: 27' W x 54' L
- Teams score game pieces, called Notes, in their Amp and Speaker
- As time runs out, robots race to get onstage and deliver Notes to their Traps

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.
- Visit firstinspires.org/alumni

FIRST IN SHOWSM

PRESENTED BY 

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

Feb 26-27

ISR District Event #1
Hadera, Israel

Feb 28-29

ISR District Event #2
Hadera, Israel

Feb 28-Mar 02

Canadian Pacific Regional
Victoria, BC

Brazil Regional
Brazilia, Brazil

Festival de Robotique Regional
Montreal, QC

Greater Pittsburgh Regional
Pittsburgh, PA

Lake Superior Regional
Duluth, MN

Northern Lights Regional
Duluth, MN

Regional Monterrey
Monterrey, Mexico

South Florida Regional
Fort Lauderdale, FL

Utah Regional
West Valley City, UT

Feb 29-Mar 02

FIT District Katy Event
Katy, TX

FIT District Waco Event
Waco, TX

FIM District Kettering University
Event #1
Flint, MI

FIM District Milford Event
Highland, MI

NE District Granite State Event
Salem, NH

PNW District Clackamas Academy
Event
Oregon City, OR

Feb 29-Mar 03

Hueneme Port Regional
Port Hueneme, CA
Silicon Valley Regional
San Jose, CA

Mar 01-03

CHS District Ashland VA Event
Ashland, VA

CHS District Blacksburg VA Event
Blacksburg, VA

FMA District Hatboro-Horsham
Event
Horsham, PA

FMA District Mount Olive Event
Flanders, NJ

FIN District Mishawaka Event
Mishawak, IN

FIM District Battle Creek Event
Battle Creek, MI

FIM District Berrien Springs Event
Berrien Springs, MI

FIM District Jackson at Columbia
Event

Brooklyn, MI
NE District Hartford Event
Hartford, CT

FNC District Orange County Event
Chapel Hill, NC

PNW District Glacier Peak Event
Snohomish, WA

Mar 03-06

Smoky Mountains Regional
Knoxville, TN

Mar 05-07

Istanbul Regional
Sarıyer, Türkiye

Mar 06-09

Arkansas Regional
Searcy, AR
Central Missouri Regional
Sedalia, MO

Great Northern Regional
Grand Forks, ND

Green Country Regional
Tulsa, OK

Hudson Valley Regional
Suffern, NY

Mar 07-09

FIT District Belton Event
Belton, TX

FIM District Belleville Event
Belleville, MI

FIM District Escanaba Event
Escanaba, MI

FIM District Kettering University
Event #2
Flint, MI

FIM District St. Joseph Event
St. Joseph, MI

PNW District Oregon State
Fairgrounds Event
Salem, OR

PCH District Anderson Event
presented by MAGNA
Anderson, SC

PCH District Dalton Event
Dalton, GA

Mar 07-10

San Francisco Regional
San Francisco, CA
Ventura County Regional
Port Hueneme, CA

Mar 08-10

CHS District Portsmouth VA Event
Portsmouth, VA

FIT District Plano Event
Plano, TX

FIM District Woodhaven Event
Brownstown Charter Twp, MI

FMA District Allentown Event
Allentown, NJ

FMA District Seneca Event
Tabernacle, NJ

FIM District Lake City Event
Lake City, MI

NE District BSU Event
Bridgewater, MA

NE District Waterbury Event
Waterbury, CT

FNC District UNC Pembroke Event
Pembroke, NC

ONT District Centennial College
Event
Scarborough, ON

ONT District Newmarket Complex
Event
Newmarket, ON

PNW District Auburn Event
Auburn, WA

Bosphorus Regional
Sarıyer, Türkiye

Mar 11-12

ISR District Event #3
Hadera, Israel

Mar 13-14

ISR District Event #4
Hadera, Israel

Mar 13-16

Arizona Valley Regional
Scottsdale, AZ
Central Illinois Regional
Peoria, IL

Finger Lakes Regional
Rochester, NY

Heartland Regional
Shawnee, KS

Magnolia Regional
Laurel, MS

Regional Hermosillo
Hermosillo, Mexico

Sacramento Regional
Elk Grove, CA
Tallahassee Regional
Tallahassee, FL

Mar 14-16

FIT District Fort Worth Event
Fort Worth, TX

FIT District San Antonio Event
San Antonio, TX

FIM District LSSU Event
Sault Ste. Marie, MI

FIM District Muskegon Event
Muskegon, MI

FIM District Traverse City Event
Traverse City, MI

FIM District Wayne State Event
Detroit, MI

NE District URI Event
Kingston, RI

PNW District SunDome Event
Yakima, WA

Mar 14-17

Los Angeles Regional
El Segundo, CA

Wisconsin Regional
Milwaukee, WI

Mar 15-17

CHS District Glen Allen VA Event
Glen Allen, VA

CHS District Severn MD Event
Severn, MD

FMA District Montgomery Event
Skillman, NJ

FMA District Springside Chestnut
Hill Event
Philadelphia, PA

FIN District Columbus Event
Columbus, IN

FIM District Ann Arbor Event
Ann Arbor, MI

NE District North Shore Event
Reading, MA

NE District Pine Tree Event
Lewiston, ME

FNC District UNC Asheville Event
Asheville, NC

ONT District Durham College
Event

Oshawa, ON

ONT District Georgian Event
Barrie, ON

PNW District Bonney Lake Event
Bonney Lake, WA

PCH District Gwinnett Event
Lawrenceville, GA

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

Southern Cross Regional
South Windsor, Australia

Mar 18-20

ONT District Humber College
Event
Toronto, ON

Mar 19-21

FIRST Israel District
Championship

Jerusalem, Israel
Haliç Regional
Sarıyer, Türkiye

Mar 20-23

Arizona East Regional
Tempe, AZ

Buckeye Regional
Cleveland, OH

Colorado Regional
Denver, CO

FIRST Long Island Regional
Hempstead, NY
Idaho Regional

Nampa, ID
Iowa Regional

Cedar Falls, IA
New York Tech Valley Regional

Albany, NY
Orlando Regional

Orlando, FL
Regional Laguna presented by
Peñoles

Torreón, Mexico
St. Louis Regional
St. Louis, MO

Mar 21-23

FIT District Dallas Event
Dallas, TX

FIM District Lansing Event
Mason, MI

FIM District Midland Event
Midland, MI

FIM District West Michigan Event
Allendale, MI

ONT District University of
Waterloo Event

Waterloo, ON
PNW District Wilsonville Event
Wilsonville, OR

PCH District Carrollton Event
Carrollton, GA

PCH District Charleston Event
N. Charleston, SC

Mar 21-24

Central Valley Regional
Fresno, CA

San Diego Regional presented by
Qualcomm
La Jolla, CA

Mar 22-24

CHS District Falls Church VA
Event presented by Department
of Energy
Falls Church, VA

CHS District Owings Mills MD
Event
Owings Mills, MD

FIT District Houston Event
Houston, TX

FMA District Bensalem Event
Bensalem, PA

FMA District Warren Hills Event
Washington, NJ

FIN District Plainfield Event
presented by Carrier
Plainfield, IN

FIM District Livonia Event
Livonia, MI

FIM District Troy Event #1
Troy, MI

NE District Greater Boston Event
Revere, MA

NE District Western NE Event
Springfield, MA

FNC District Mecklenburg County
Event

Charlotte, NC
FNC District Wake County Event
Wake Forest, NC

ONT District North Bay Event
North Bay, ON

PNW District Sammamish Event
Bellevue, WA

Marmara Regional
Sarıyer, Türkiye

Mar 27-30

Las Vegas Regional
Las Vegas, NV

Midwest Regional
Chicago, IL

Monterey Bay Regional
Seaside, CA

Orange County Regional
Costa Mesa, CA

Mar 28-30

FIT District Amarillo Event
Amarillo, TX

FIT District Space City @
Friendswood Event
Friendswood, TX

FIM District Kentwood Event
Kentwood, MI

FIM District Macomb Community
College Event
Sterling Heights, MI

FIM District Central Michigan
University Event
Mt. Pleasant, MI

FIM District Renaissance Event
Detroit, MI

FIM District Troy Event #2
Troy, MI

FIN District Washington Event
presented by Toyota
Washington, IN

NE District UNH Event
Durham, NH

ONT District McMaster University
Hamilton, ON

ONT District Windsor Essex Great
Lakes Event

Windsor, ON
PCH District Albany Event
Albany, GA

Mar 29-31

NE District WPI Event
Worcester, MA

Apr 03-06

FIRST In Texas District
Championship
Houston, TX

New England *FIRST* District
Championship
West Springfield, MA

FIRST Ontario Provincial
Championship
Mississauga, ON

Pacific Northwest *FIRST* District
Championship
Portland, OR

Aerospace Valley Regional
Lancaster, CA

Bayou Regional
Kenner, LA

Greater Kansas City Regional
Lee's Summit, MO

Hawaii Regional
Honolulu, HI

Miami Valley Regional
Cincinnati, OH

Minnesota 10,000 Lakes Regional
Minneapolis, MN

Oklahoma Regional
Oklahoma City, OK

Rocket City Regional
Huntsville, AL

Seven Rivers Regional
La Crosse, WI

Apr 04-06

FIRST Mid-Atlantic District
Championship
Bethlehem, PA

FIRST in Michigan State
Championship

University Center, MI

Peachtree District Championship
Macon, GA

Apr 04-07

FIRST Chesapeake District
Championship

Petersburg, VA
East Bay Regional
Berkeley, CA

Minnesota Granite City Regional
St. Cloud, MN

New York City Regional
New York, NY

Apr 05-07

FIRST Indiana State Championship
Lafayette, IN

FIRST North Carolina District State
Championship

Greenville, NC

April 17-20

2024 *FIRST* Championship
presented by BAE Systems
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
Canada— Georgian College Ontario District Event				
216	Westwood Al/Bradford White&Grandville High School	More RoboDawgs	Grandville	1998
244	Westwood Al/Bradford White & Grandville High School	RoboDawgs 3D	Grandville	1998
288	Westwood Al/Bradford White&Grandville High School	The RoboDawgs	Grandville	1998
1325	Pacline Overhead Conveyors/Actemium/MHI Canada Aerospace/General Motors/AMD/Hatch/Weston Forest Products/MindShare Workspace/Sable Metal Manufacturing/Agora Manufacturing/Nye Manufacturing/Thompson Centres/IMAX/Westburne/Royal Bank of Canada&Family/Community	Inverse Paradox	Mississauga	2004
2702	Google/Region of Waterloo/Novatek Welding & Fabrication&Kitchener Waterloo Youth Robotics	Rebels	Waterloo	2009
3560	Charger Logistics&Chinguacousy Secondary School	Chingbotics	Brampton	2011
3683	Quantum Valley Investments/ATS Automation/Melitron/Benmur Precision Tooling/First General Waterloo/Embark Trucks&St. David Catholic Secondary School	Team DAVE	Waterloo	2011
4015	&St. Joseph Secondary School	Jag	Mississauga	2012
4907	ETBO Tool & Die Inc & Parkside Collegiate Institute	Thunderstamps	Belle River	2014
4917	Lanxess/Systematix Inc./Demtool/Weber's Fabricating&Elmira District Secondary School	Sir Lancerbot	St. Thomas	2014
5031	Toronto District School Board/3M/RBC/GM/Dr. Tom Lee / Richard Lee&Downsview secondary	Full Metal Mustangs	Elmira	2014
5408	Centerline (Windsor) Ltd./St. Clair College/University of Windsor/A.E. Belmont Inc./Argosy Grant/Hammoud Medical Professional Corporation/Flexible Industrial Solutions&Hon. W.C. Kennedy Collegiate Institute	KENNEDYcache	North York	2015
5870	Edge Automation/Thames Valley District School Board/Beckhoff Automation Ltd./Standard Axle Co Ltd.&Sir Frederick Banting S.S	League of Logic	Windsor	2016

Team Number	Team School/Organization	Nickname	City	Rookie Year
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Canada— Georgian College Ontario District Event - Cont

6859	Ontario Power Generation/RBC Wealth Management/Agrosy/Muskoka Turf and Property Management/Riverside Dental/Town of Bracebridge/Dr Hotson/Bracebridge Rotary Club/Bracebridge Agricultural Society/Fowler's Construction Company Limited/Bracebridge Lions Club/Knowles Plumbing&Bracebridge and Muskoka Lakes Secondary School	BML Robotics	London	2018
6864	Magna/Ontario Power Generation/Town of Gravenhurst/Honda Canada/PuroClean/Gonneau Building Group/100 for \$100 donors/Boone Plumbing/Buckley & Associates/Mr. Sub/Dominoes & Gravenhurst High School	GryphTech Robotics	Bracebridge	2018
7022	Rockwell Automation/Onsemi&St. Benedicts Catholic Secondary School	ACE Robotics	Gravenhurst	2018
7722	Integrated Metal/Erbsville Electric&Resurrection Catholic Secondary School	Resurrection MechaPhoenix	Cambridge	2019
8081	JDC /Uni-fab/UE Enclosures/Centerline/Home Hardware/Nature Fresh Farms/PrimeVine Produce/University of Windsor - Faculty of Science/Speedy Glass/Fittler Farms/Bartel Machine and Welding/St. Clair College/Schartner Construction/LSI Supply Inc/Electric Wholesale Supply/Settingington's Fertilizer/Wilkinson Electric/Warkentin Tree Farm/Panther Manufacturing/Economy Rental Centre/Banwell Douglas/MC3/D& T Auto Parts CarQuest/Agris coop/WFS/My Ride/C & R Renwick Seeds/Ray Jaarsma/Kal Tire/Speedprint/Lycoland Farms/Tec-Land Farms/Clover View Farms/Dueck Citizenship and Immigration/Delta Power/Huron Tractor/Oliveira Equipment/Yurkes Sales and Equipment/Steele Electric Supply/Ridder Innovative Technical Solutions/Chosen Fresh Farms/Langeman Mfg/KJM Manufacturing&UMEI	UMEI Lightning Robotics	North York	2020

Team Number	Team School/Organization	Nickname	City	Rookie Year
Canada— Georgian College Ontario District Event - Cont				
8765	Nancy Campbell Academy	Parallel Units	Kitchener	2022
8789	North Dorchester Optimists/Municipality of Thames Centre/Thames Valley District School Board/BOS Innovations/Walmart East London/Walmart Woodstock/Unifor Local 88/Deveau Accounting and Income Tax/Jake Ryjen/South Dorchester Optimists/Dorchester Lions Club&Lord Dorchester Secondary School	The Lost 10mm Sockets	Leamington	2022
9098	FIRST Canada/HAAS/HATCH/Romag Contracting Ltd/Spartan Impressions/Brantford KIA/Optimist Club of Oakville/Schultz Manufacturing/Halton Catholic District School Board&St. Ignatius of Loyola Catholic Secondary School	FireHawks	Stratford	2023
9525	Nile Academy	Nile Academy	Dorchester	2024
9580	Georgian College of Applied Arts and Technologies	#ChangeTheNow	Oakville	2024
9592	Timmins Blues	Timmins High & Vocational School	Timmins	2024
9678	Family/Community	Jamosti	Barrie	2024
9769	Toronto Prep School	Toronto Prep	Toronto	2024
9782	Wexford Collegiate School for the Arts	Wextech Titans	Scarborough	2024

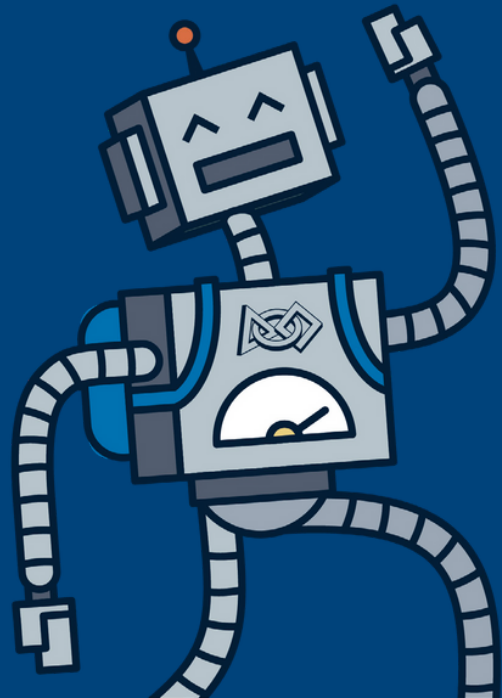
The 2024 *FIRST*® Championship starts April 17

Pack your bolts, bots, and bags!

FIRST® has put together exclusive FIRST Championship housing discounts so you and your team can have the time of your lives when you get there. When you book with FIRST, you will:

- Stay close to the venue and other teams
- Receive guaranteed low rates at FIRST-reviewed hotels
- Enjoy convenient, FIRST-only contracted amenities at most hotels including complimentary Wi-Fi, breakfast, and parking
- Gain flexibility to make booking adjustments and pay later
 - Get reservation protection and assistance before, during, and after your stay if any unexpected challenges occur

Book your hotel reservations today!
www.firstchampionship.org



2024 Georgian College ON District Event Schedule

Day 0 - March 15

2:30pm 4:30pm Team Load In (5 Team Reps)
4:30pm Pits Open, Inspections
5:30pm 8:00pm Filler Line Practice Matches
9:00pm Pits Close

Day 1 - March 16

8:00am Pits Open, Inspections
8:30am Drivers meeting
9:15am 10:45am Practice Matches
11:00am Opening Ceremonies
11:30am 1:30pm Qualification Matches
1:30pm 2:30pm Lunch
2:30pm 7:00pm* Qualification Matches
8:00pm Pits Close

Day 2 - March 17

8:00am Pits Open
9:00am 9:30am Opening Ceremonies
9:30am 12:45pm* Qualification Matches
1:00pm 1:30pm Alliance Selections
1:30pm 2:30pm Lunch
2:30pm 5:30pm Playoff Matches
5:30pm** 7:00pm Awards / Closing Ceremonies
7:30pm Pits Close

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

Experience
 Georgian

Expect
MORE.

MORE than an **EDUCATION** – an **EXPERIENCE.**

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Judges

Led by Our Judge Advisor:

Marc Nantel

Vice-President – Research,
Innovation & Strategic Enterprises
Niagara College Canada

Andrew Colvin

Protection and Control Planner
Hydro One

Arslan Rawan

Global Procurement Delivery
Manager
Roche Canada

Bob McEwen

Professor
Georgian College

Chris Kozicki

L.E.T. Specialist
Honda of Canada Manufacturing

Chris Jungkunz

DocMunicipal Engineer In
Trainingtor
WMI & Associates Ltd

Cole Morrison

Process Engineer
Magna International

Dahai Zhang

Professor & Building Science Lab
Coordinator
George Brown College

Dan Colvin

Distribution Line Technician
Hydro One

Daniel Bilzer

Mechanical EIT
DEI Consulting Engineers

Gary Page

Owner
Page Graphics

Gayathri Valappil

Climate Change Consultant
EcoAct/Schneider Electric

Gerald Ladouceur

Facilities Engineering Unit Leader
Honda of Canada Manufacturing

Gerry Ivits

Jason Campbell

Process Engineering Analyst
Canada Post

Jeremy Town

Application Design Specialist
Bosch

Jesse Beauchamp

Supervising Planning Technician
Hydro One

Katie Sleep

Manager, Integrated Planning and
Strategy
Georgian College

Kirsten Jungkunz

Donor Engagement Officer
Georgian College

Mark Hutchinson

Advanced Manufacturing Engineer
Magna International -
Mechatronics Division

Nathan Speck

Machine Learning Researcher
KA Imaging

Rakshith Sundar

Quality Engineer
Honda of Canada Manufacturing

Robert MacKay

Title
GE Vernova

omil Nishar

Lead Automation Engineer
Quality Design Services, Inc

Steve Taylor

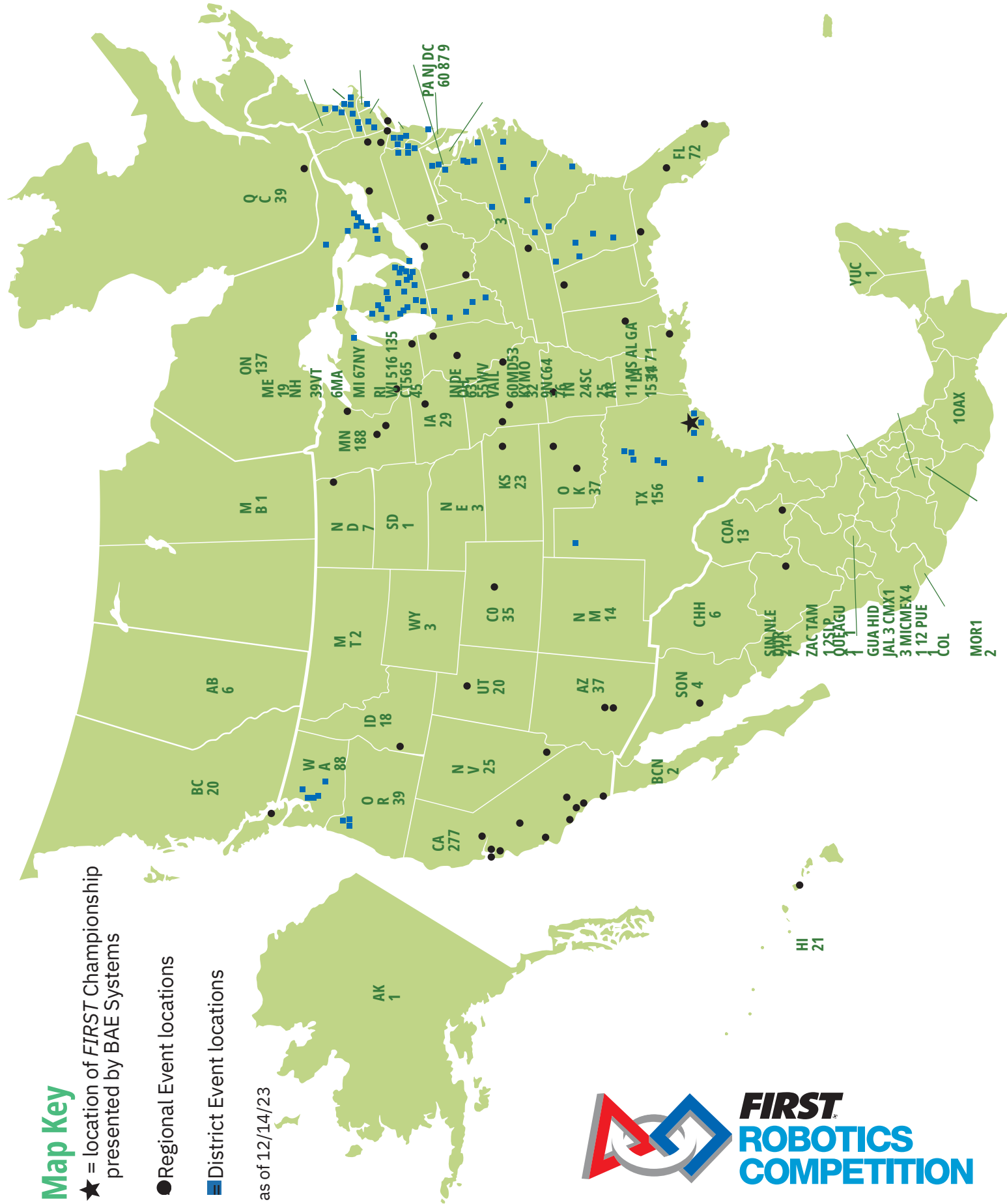
Retired Automation Engineer
Honda of Canada Manufacturing

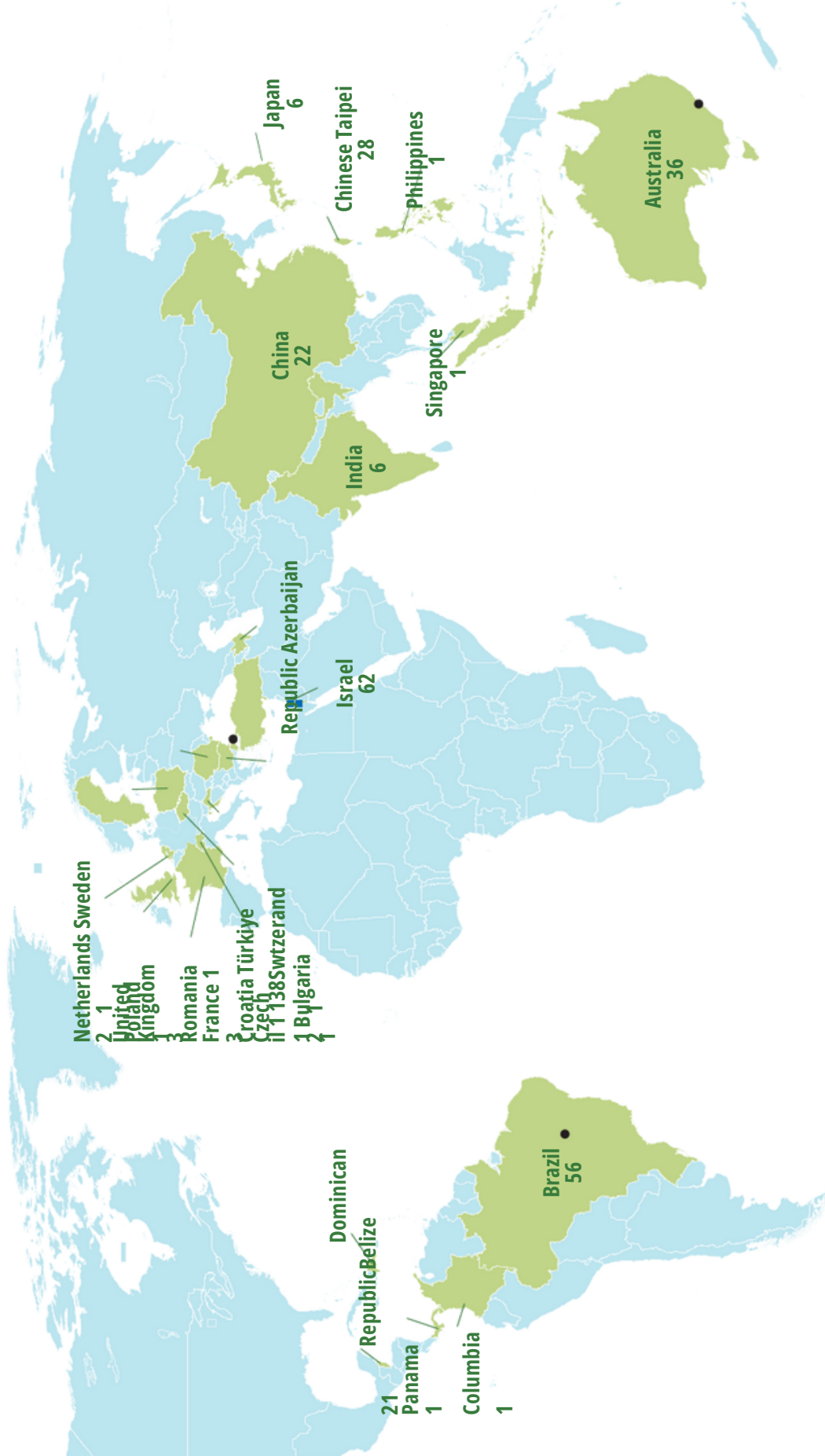
Terence Kilgore

Senior Estimator
Paladin Technologies

Tina Hurst

Projects and Reporting Officer
University Partnership Centre,
Georgian College





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

Contact: jaeleen.koscielski@firstroboticscanada.org

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: arti.javeri@firstroboticscanada.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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2024 Georgian College District Event

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Event Contributors



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.

firstroboticscanada.org/get-involved/alumni/



I remember reading "*FIRST* is more than robots" on the website as I registered for my robotics team. Being new to *FIRST*, I did not understand the meaning behind it. Now 7 years later, as a *FIRST* Alumni, this phrase defines my journey. For myself, *FIRST* is about community. I have made long-lasting friendships and acquired many skills that make me the leader I am today. As an alum, I'm able to witness just how far the *FIRST* community extends, and network you gain access to. There is this automatic bond when you know someone who has also gone through the *FIRST* program. My time as a *FIRST* participant helped reinforce my values and inspired me to pursue a career in Engineering at the University of Waterloo.



MEHAK DHALI WAL

FIRST Canada Youth Council Alum
Systems Design Engineering student at the University of Waterloo



Become a Supporter

<https://firstroboticscanada.org/donate/>



	130,000+ Canada students participating (2011-2022)
	1.5M+ mentor hours (2011-2022)
	\$250,000+ Canada scholarships



\$250

\$500

\$1000

\$2500

FIRST Volunteers Inspiring the Future Since 1992

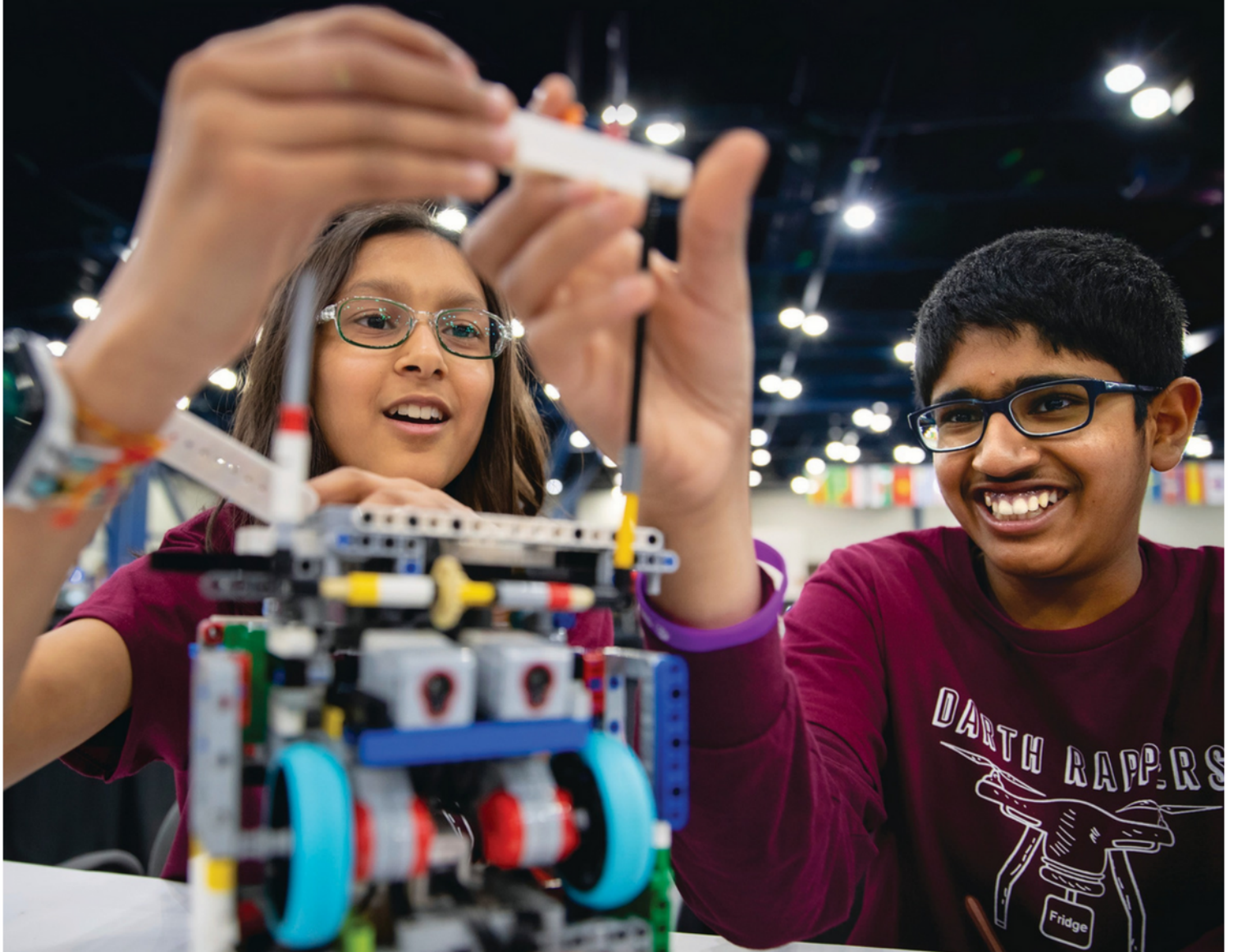
The Georgian College District Event relies on dedicated volunteers and appreciates the contribution of time from everyone who participates. From the expertise of veteran volunteers who return year after year, to the enthusiasm of first-timers, volunteers are the critical component that make our events successful. A special thank you to the members of the Georgian College District Event planning committee, who work tirelessly to plan this event each year.





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

— Dean Kamen, Founder, FIRST®



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

www.firstroboticscanada.org/donate

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



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.

GRADES PREK-8 · AGES 4-16*



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

GRADES 7-12 · AGES 12-18



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.

GRADES 9-12 · AGES 14-18



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 Cooperitition® (competing hard but also helping the other teams).

Learn more about FIRST and our suite of hands-on programs at firstroboticscanada.org

We'd like to thank our Sponsors and Partners for their commitment to the vision of **FIRST®** and who continue to help **FIRST®** grow!

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<https://www.firstroboticscanada.org/>

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