



**Burlington  
Community  
Robotics**

# **SPONSORSHIP INFORMATION**



[WWW.SUPPORTBCR.COM](http://WWW.SUPPORTBCR.COM)

Burlington Community Robotics

[contact@burlingtoncommunityrobotics.ca](mailto:contact@burlingtoncommunityrobotics.ca)

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





Burlington Community Robotics (BCR) is a non-profit organization built upon 17 years of high school robotics excellence through the FIRST Robotics Competition

## **Our Mission:**

BCR's Mission is to provide a hands-on learning experience to students in Burlington through the FIRST Robotics Competition and enhance science and technology education in our community.

## ***We Provide Students Opportunities To:***

- Build & Compete with a robot they design, manufacture and program
- Develop real world skill such as:
  - Engineering Design
  - Programming
  - Hands on Experience in the Trades
  - Project Management/Teamwork
- Gain experience on modern, real world tools and technologies
- Work alongside industry professionals and post secondary mentors





# SPONSORSHIP

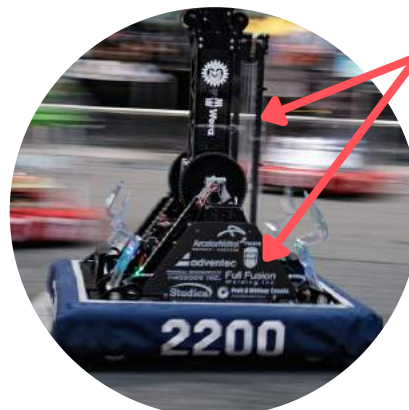
## ***An Investment for the Future***

Your investment goes further than just building robots. Your investment gives students the opportunity to gain unrivaled experiences and understanding of all facets of STEM. Our mentors and industry professionals contribute hundreds of volunteer hours every year empowering students. **Your business can be part of this revolution in tech education.**

## ***Benefits***

In addition to participating in the education of future engineers, computer scientists, trades workers, and many more; sponsors of Burlington Community Robotics get extensive public acknowledgment. Depending on your donation amount you may receive recognition on our:

- Website (SupportBCR.com)
- Team Apparel
- Banners
- Robot
- And More!



**Your Logo Here!**



Currently, our largest hurdles are finding a new place to call home & acquiring the machinery needed to equip it so our program can operate. There are a variety of ways individuals can make a difference in helping us continue this program for the 2025 season. Whether you can support us financially, with in-kind space, product or services, or volunteer your time, every little bit helps.

Visit the Get Involved Page @ [SupportBCR.com](https://www.SupportBCR.com) to Learn More

### ***Our Current Priorities Are:***

#### **Workshop Space**

**Goal:** \$60,000

Help us acquire a new home to operate the program from. We estimate we need approx. 2,500-5000 sq ft to operate out of in a light industrial environment shop space.

#### **Shop Equipment**

**Goal:** \$150,000

To be most effective we need to equip this space with modern tools and technologies. Financial donations or direct donation of equipment would benefit us immensely. We're happy to discuss if you have something you think we might be able to use.

#### **Season Expenses**

**Goal:** \$30,000

Participating in FIRST requires investment in Registration fees, Bot parts & materials, team expenses and travel. Any support to help us offset those costs is greatly appreciated





**Burlington  
Community  
Robotics**



# HOW TO DONATE

There are several ways to make a donation to Burlington Community Robotics:

## ***Online***

Donations can be made directly via our website at: [www.SupportBCR.ca](http://www.SupportBCR.ca)  
Or email us at: [contact@burlingtoncommunityrobotics.ca](mailto:contact@burlingtoncommunityrobotics.ca)

## ***Cheque or Via Financial Institution***

Please contact us via the information on the next page to make arrangements

## ***In-Kind Donations***

If you have material, tools, services or other resources you think could help us please reach out via our contact information to discuss.

## ***Tax Receipts***

Burlington Community Robotics is in the application process to obtain charitable status so we can provide receipts directly. While this process is ongoing, if a Tax Receipt is desired, donations can be made through our partner FIRST Robotics Canada and a Tax Receipt can be issued through them. Please **email us** for more information about how to make a donation in this manner.



**Burlington  
Community  
Robotics**



# CONTACT US

## ***Where to Find Us***

If you would like to become a valuable member of BCR, or find out more information, please Contact Us

**Email:** [contact@burlingtoncommunityrobotics.ca](mailto:contact@burlingtoncommunityrobotics.ca)

**Website:** [www.burlingtoncommunityrobotics.ca](http://www.burlingtoncommunityrobotics.ca)

## ***Put a Face to a Name***

**Co-Director**

Adam Bocek



**Co-Director**

Ryan Coleman



**Co-Director**

Jason Patel



Alongside our Co-Directors, we have a large team of 10-15 Mentors with years of experience within FIRST Robotics. Our group consists of Industry experts, Alumni & Parents. Visit our website to learn more about how you can get involved.





Burlington  
Community  
Robotics

# ABOUT *FIRST* & OUR COMPETITION SEASON



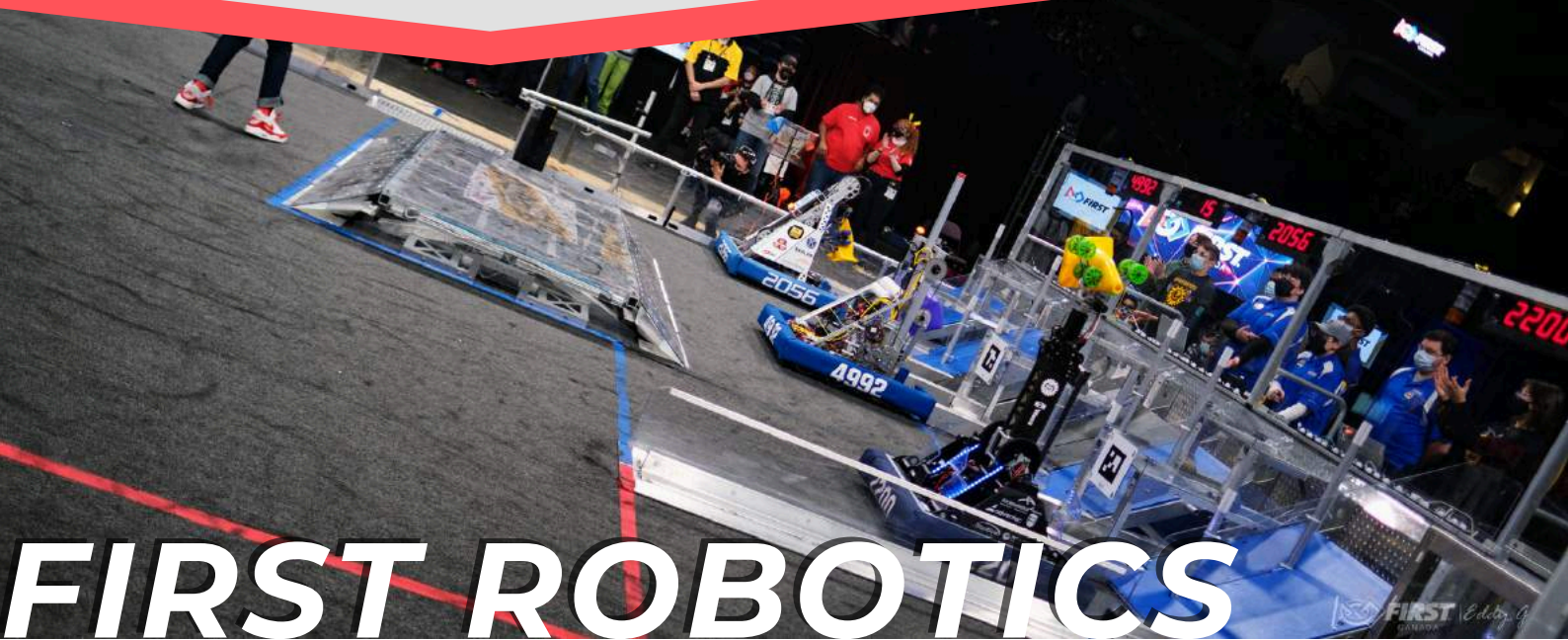
WWW.SUPPORTBCR.COM

Burlington Community Robotics

[contact@burlingtoncommunityrobotics.ca](mailto:contact@burlingtoncommunityrobotics.ca)

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





## ***FIRST Robotics Competition: The “Varsity of STEM”***

The FIRST Robotics Competition is a combination of the exciting, fast-paced nature of sports with the precision of science and technology. Over the span of 6 weeks, students are tasked with designing, manufacturing, programming and iterating a large scale robot to perform prescribed tasks. **It is as close to “Real World” engineering as high school learning can get.** Students get the opportunity to compete locally and internationally on a world stage.

### **Facts about FIRST & It’s Members:**

- 81% of *FIRST* Alumni Declare a STEM major
- 50% of Female *FIRST* alumni declare a Major in Computer Science or Engineering (vs. 14% in their peer comparison groups)
- *FIRST* Alumni are 4 Times more likely to pursue a career in STEM







# SEASON ROAD MAP

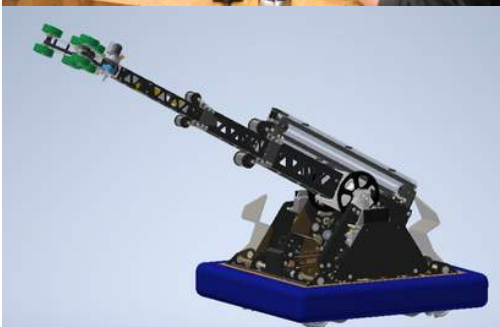


## Kickoff!

The long awaited Game Reveal! It is here where we learn the tasks and challenges our robot will have to solve!

## Prototyping

The stage of rapid iteration. Prototyping is essential in order to find the best mechanisms to complete certain tasks! Every year new challenges require unique solutions and problem solving!



## Design

Every year we design our entire robot using AutoDesk Inventor. Students learn how to use 3D design software while designing, assembling and creating 2D drawings for all components of our robot. Down to every last fastener!



# SEASON ROAD MAP

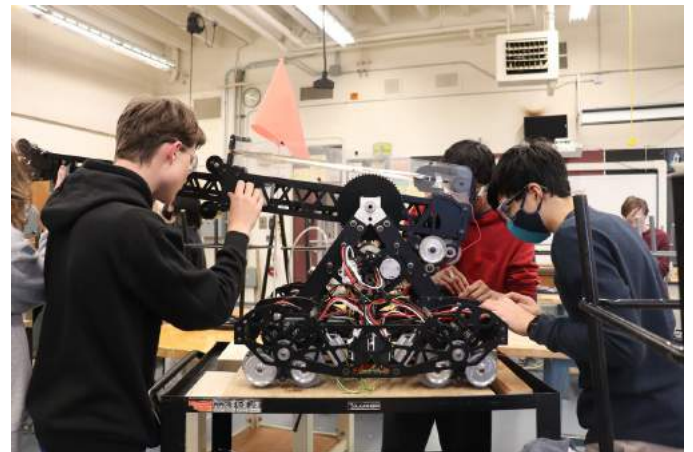


## Fabrication

Unlike many other teams, historically we have fabricated almost every part of our robot in house! Students learn how to use manual mills and lathes as well as CNC mills. They learn to read 2D detail drawings and hold tight tolerances! Help us keep this high manufacturing approach going.

## Assembly

The point where all of our work starts to come together. Students get to see their design come to life through the assembly of the parts they have labored to make!



## Testing & Iteration

Once the robot is fully assembled it is handed over to the programming team! They test both their code, and the mechanical functionality of the robot! Students get to learn how to overcome challenges and create new solutions!







# SEASON ROAD MAP



## Competition: District Events!

After a grueling build season we get to travel across Ontario to compete! This is where we find out if all of hard work paid off! Events are the first opportunity to test your robot at the limit and also see what all of the other teams came up with! Depending on our performances we can qualify for Provincial Championships!

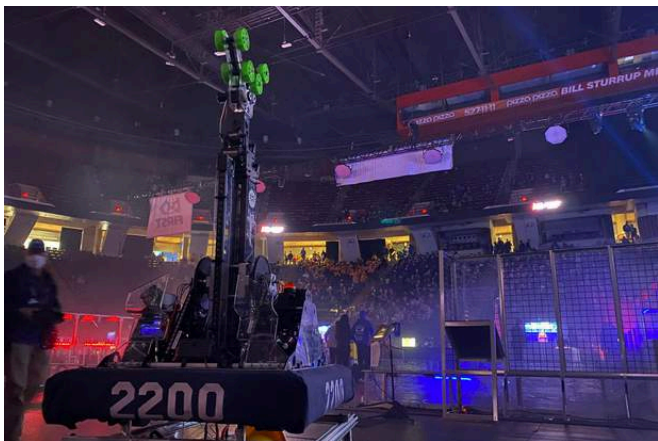
## Provincial Championships

The best of Canada comes together to crown the Kings of the North! Split into two divisions, teams compete to win their division and get the opportunity to play for the championship. In 2023 we had that honour, and managed to bring home the trophy as Provincial Champs!



## World Championships

The pinnacle of competition. Teams travel from around the world for a 5 day event composed of 6+ Divisions of the best in the world. With **Your Help** we hope to raise the amount of money we need to travel and see the culmination of all of our work!





# Burlington Community Robotics

WE  
**THANK YOU**  
FOR YOUR SUPPORT

[contact@burlingtoncommunityrobotics.ca](mailto:contact@burlingtoncommunityrobotics.ca)

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