

# 2025 / 2026 ROBOTICS INFORMATION PACKAGE



## ROBOTICS COURSE

## ROBOTICS TEAM

Created by Mr. Szugyi

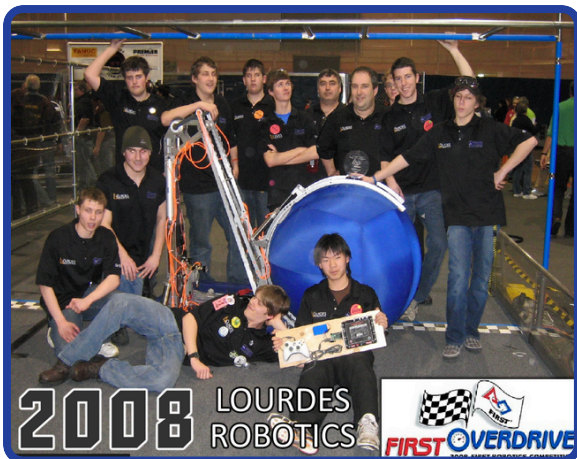
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# WELCOME TO THE TEAM



## SHAPING STUDENTS FUTURES SINCE 2008

Since launching the program in 2008, many of our students have gone on to achieve remarkable success in their post-secondary studies and careers, securing positions with leading organizations such as Amazon, AMD, Magna, Linamar, Tesla, and even the Government of Canada. Our goal is to inspire and support students as they grow into the innovators and leaders of tomorrow.



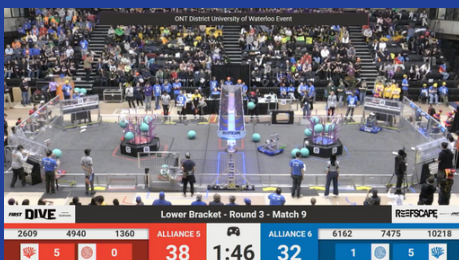
# WHAT IS FIRST ROBOTICS?



The FIRST Robotics Competition (FRC) is an international high school robotics program where students work together to design, build, and program robots to compete in exciting, fast-paced games. Each year, teams are challenged with a brand-new game that requires teamwork, creativity, and problem-solving to succeed.



**Watch a match from our 2025 season:**  
(Click the Picture Bellow)



## Benefits for Students

- Builds confidence and teamwork skills
- Opens doors to post-secondary pathways in STEM fields
- Provides access to scholarship opportunities
- Creates lifelong friendships and a global network

## Why Parents Should Be Excited

FRC is more than building robots—it's about preparing students to be the leaders, innovators, and problem-solvers of tomorrow. Participation fosters responsibility, collaboration, and perseverance while keeping students engaged in meaningful extracurricular learning.





# JOIN THE ROBOTICS TEAM

GRADE 9/10, TAKE YOUR TECH CREDIT AFTER SCHOOL

NO EXPERIENCE REQUIRED

GRADES 9-12

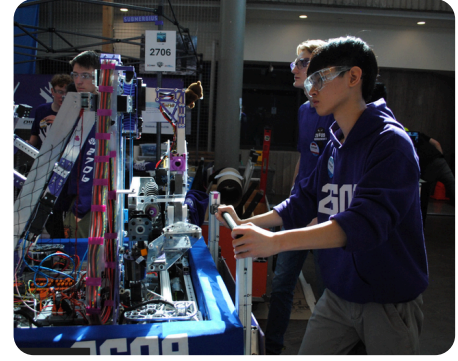
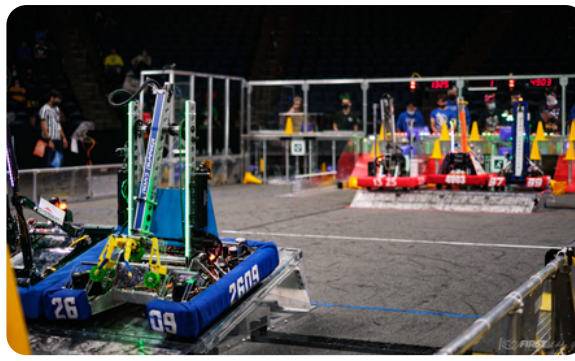
Start a Robot  
Role in

Robot Design

Programming

Electronics

Manufacturing



Videography & Photography

Business

Start a Non Robot  
Role in  
(Robot Optional)

Social Media Management

Marketing

Club Running Dates?  
September 30<sup>th</sup> - April 16<sup>th</sup>

Course Registration Deadline:  
October 13

Club Registration Deadline:  
October 17



Where?

Our Lady of Lourdes  
(Room 109)

54 Westmount Road Guelph

When?

Tuesdays 5:30 PM - 8:30 PM  
Thursdays 5:30 PM - 8:30 PM

Saturdays 10 AM - 4 PM -  
Starting November

Scan the code to join  
or for more information

(It will only work with your school account)

Or contact:

Mr. Szugyi - laszlo.szugyi@wellingtoncdsb.ca



NEW!

# ROBOTICS CREDIT FOR GRADE 9 AND 10 STUDENTS

## COURSE INFORMATION

New this year, Grade 9 and 10 students can earn their compulsory tech credit (TAS 20) through this after-school robotics course.

The program is free and available to students at Our Lady of Lourdes, St. James, Bishop Macdonell, and St. John Bosco Catholic High Schools.

No previous experience is needed

Students will get hands-on experience learning about everything that goes into building a robot. Students will learn skills in the following topics:

Robot Design

Manufacturing Parts

Problem Solving

Programming

Building Robots

Teamwork



### Location:

Our Lady of Lourdes  
54 Westmount Rd, Guelph  
(Room 107)

**Students are responsible  
for their own transportation**

The course will include a mix of in-person and e-learning instruction. E-learning will take place remotely to supplement days when students are unable to attend in person.

### **Schedule:**



**October 14 to January 27**

**Tuesdays: 4:30 PM – 7:30 PM**

**Thursdays: 4:30 PM – 7:30 PM**

**Saturdays: 10:00 AM – 1:00 PM**

[CLICK HERE  
TO VIEW THE  
CALENDAR](#)

### **Class Units:**

Safety and Introduction to Robotics

Problem Solving and Design

Programming Fundamentals

Robot Integration

Culminating

**To enroll in the course, please  
talk to your school guidance  
counselor. The deadline will be  
October 14<sup>th</sup>**



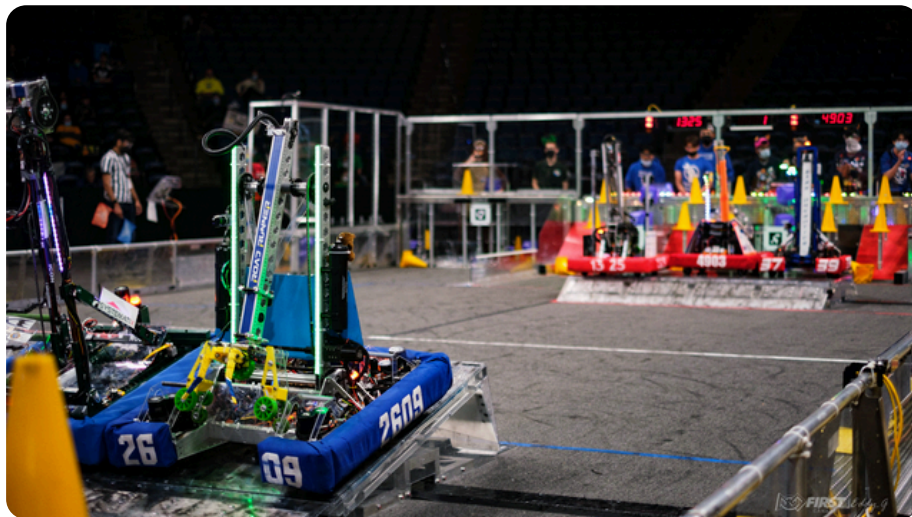
Students can be in both the course and the team. They have the option to stay until 8:30 PM on weekdays and 4 PM on Saturdays to join in the robotics club activities after the course is done for the day.

Once the course is completed, students are encouraged to continue attending the robotics team to put all of their new skills into action.

# ROBOTICS TEAM

## FOR GRADES 9 - 12 STUDENTS

### TEAM INFORMATION



The FIRST Robotics Program at the Wellington Catholic DSB is dedicated to driving success, innovation, and the goal of inspiring young students to pursue a future in STEM. By doing so, the team prepares young minds to work and thrive in our increasingly technological world.

Now is your chance to join the 2023 World Championship team and make your mark!

**Join the team:**

**Please fill out this form with your school email ([Click Here](#))**

**(It will only work if you are signed into your school account)**



## Who can join?

The program is available to students at Our Lady of Lourdes, St. James, Bishop Macdonell, and St. John Bosco Catholic High Schools.

No previous experience is needed; students will be taught by teachers and industry professionals.

## Schedule:



**September 30<sup>th</sup> to April 19<sup>th</sup>**

**Tuesdays: 5:30 PM – 8:30 PM**

**Thursdays: 5:30 PM – 8:30 PM**

**Saturdays: 10:00 AM – 4:00 PM**  
(Starting November)

[CLICK HERE  
TO VIEW THE  
CALENDAR](#)

Not all meetings are compulsory. Please try to attend at least  $\frac{2}{3}$  of the meetings each week

Additional days may be added depending on the season progress

Priority will be given to students registering before October 17<sup>th</sup>



### Location:

Our Lady of Lourdes  
54 Westmount Rd, Guelph  
(Room 109)

**Students are responsible  
for their own transportation**

## Cost:

**There is no fee to join the team.**

Students will have the opportunity to attend competitions and will be responsible for bus transportation, hotel accommodations, and food costs for out-of-town events. (organized by the school and payable on school cash online)



# What you will Learn

Students will get the opportunity to learn skills in:

## Robot Roles

Robot Design

Electronics

Manufacturing

Programming

## Non Robot Roles (Robot Optional)

Social Media Management

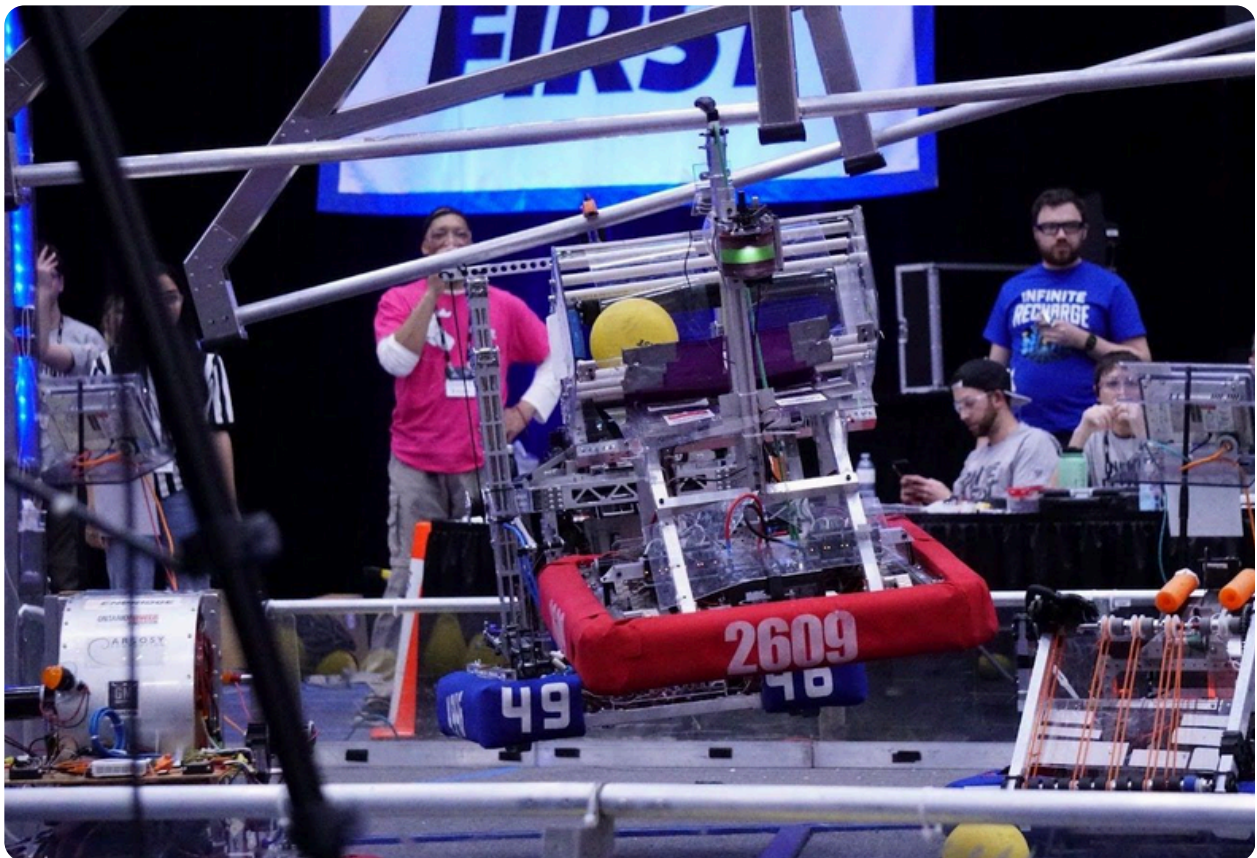
Business

Marketing

Videography & Photography



Students can then grow and specialize in specific fields that interest them.

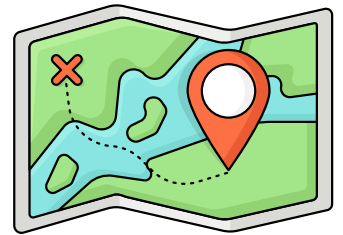


# Travel to Competitions

Every year, we attend 2 qualifying events all over Ontario, going to different Colleges and Universities.

If we rank in the top 100 in Ontario, we get invited to the Ontario championship.

If we end up ranked in the top 25 in Ontario, we get invited to the world championship.



## Previous places we've competed in Ontario:

University of Waterloo, McMaster University, Ontario Tech University, Toronto Metropolitan University, Durham College, Georgian College, Western University, University of Windsor

## Previous places we've competed globally:

Atlanta - Georgia, St. Louis - Missouri, Detroit - Michigan, Houston - Texas



# ROBOTICS TEAM OUTREACH

Beaverworx participates in and organizes many community events in Guelph and Southern Ontario.

## COMMUNITY EVENTS & IMPACT:

- Tree Planting & Shovel Repair
- Trees for Tots
- University of Guelph STEM Summer Camp Presenters
- Elementary School Robot & STEM Demonstrations
- Meal Preparation for Guelph's Homeless Youth
- Can Crusher Recycling and Design Program



# PARENT / GUARDIAN INVOLVEMENT

## GET INVOLVED WITH BEAVERWORX TEAM 2609

Our students thrive when our whole community comes together, and we'd love your support. We are currently looking for parent volunteers in the following areas:

Fundraising Committee – Do you know the name of a business that would be interested in sponsoring us, have experience writing grants, or would like to help with a donation drive? Join the team helping us secure sponsors and grants.

Meal Support – Provide meals for students during team meetings.

Event Support – Help coordinate robot demonstrations and outreach events.

Technical Mentors – Share your expertise in engineering, programming, or design.

Media & Business Mentors – Guide students in communications, marketing, and business planning.

Whether you have a little time or a lot, your contribution makes a huge difference!