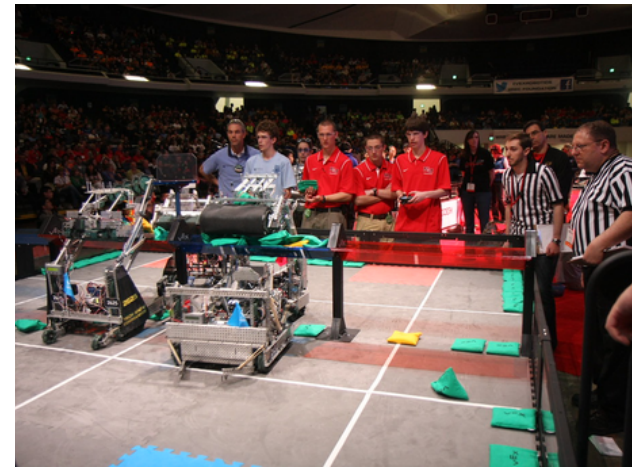


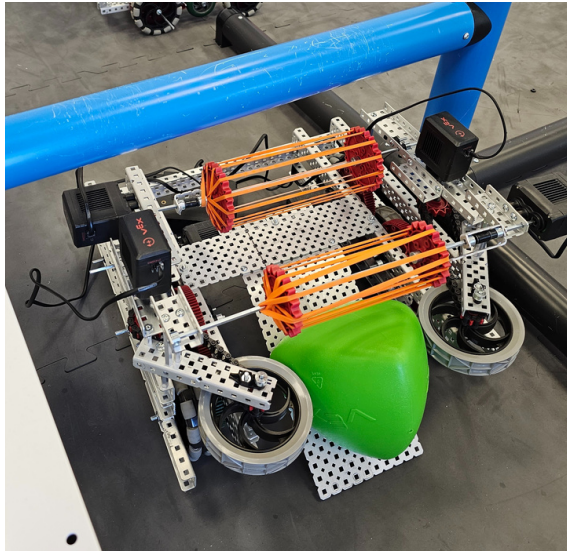
What are Vex VRC Competitions?



Vex VRC Competitions are the largest and fastest growing robotics competitions in middle and high schools, ideal for students ages 12-17

These competitions challenge kids to design, build, and program robots to compete in various challenges and games. Participating in Vex VRC competitions can be a great way for kids to learn about science, technology, engineering, and math (STEM) concepts in a fun and hands-on way. It can also help them develop skills such as problem-solving, collaboration, and critical thinking. Overall, Vex VRC competitions can be a great way for kids to learn, have fun, and even potentially pursue careers in STEM fields

Our students will find the level of programming to be simpler than our Robotics courses however these competitions will provide students the opportunity to design and build their own robot to solve an engineering problem. Not to mention the experience of participating in a robotics competition



What Skills do Students Develop?

Technical Skills

1. Robot Design
2. Robot Build & Testing
3. Programming
4. Engineering Design Process
5. Notebooking

Soft Skills

1. Teamwork
2. Time Management
3. Persistence
4. Conflict Resolution
5. Competition Experience

How Does it Compare to the After-School Program?

Competition Teams provide the **perfect compliment** to our Robotics Programs as each develops unique and equally-important skill sets

Robotics Competition Teams

- workshop environment
- robot build-focused
- teamwork
- global competitions
- coding experience recommended

Robotics Curriculum

- academic courses
- programming-focused
- independent work
- internal competitions
- no prior experience needed

FREE Summer Camp for Competition Teams



Discovery Camp
Age: 7-11




Robo-Trek




Dynamo Flashlight


Exceed Robotics is offering a **FREE Summer Camp** week for 2024-2025 competition students, valued over \$500!



Bionic Finger
Age: 9-11



Ping Pong Launcher
Age: 9-11



Drawing Bot
Age: 12-15



RF Battle Bots
Age: 12-15



Python Game Programming
Age: 12-15

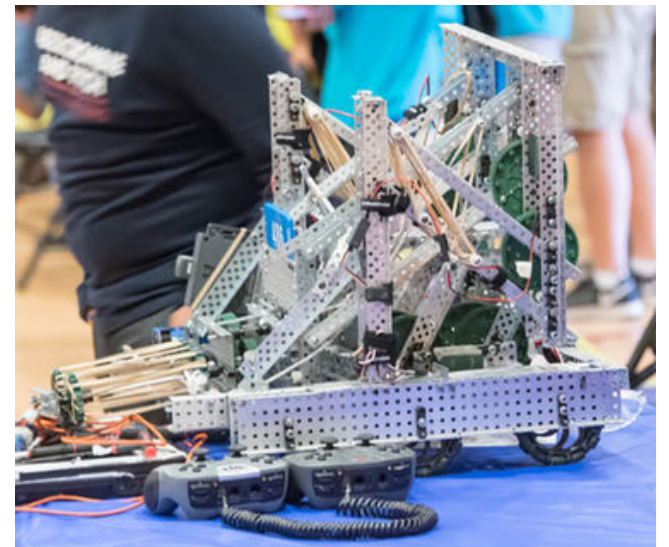
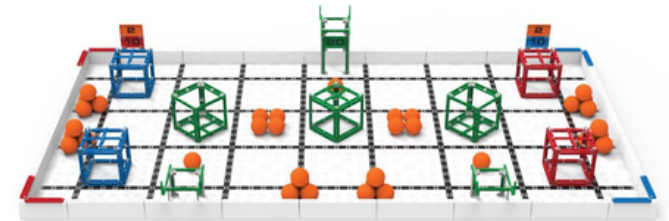


Bluetooth Smart Car
Age: 12-15

Preparatory Course

February - May 2024

- **Fundamentals** in chassis, lifting mechanisms and structural design
- **Introduction to competition format** - Game manual, Notebooking, Team Timeline, Engineering Design Process, Game Strategy
- **Internal competitions end of April** for students to gain competition experience
- Coaches evaluate students to **finalize competition teams in May**



Homework

1. Game Manual Worksheet

game rules, scoring system, tournament rules

2. Game Strategy Worksheet

calculate points, arrive at team strategy

3. Engineering Design Process Worksheet

research designs, evaluate, pick design direction

4. Project Timeline

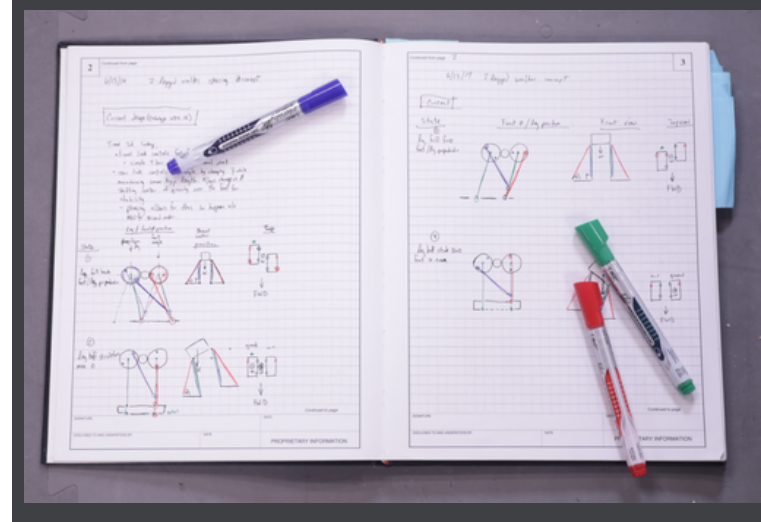
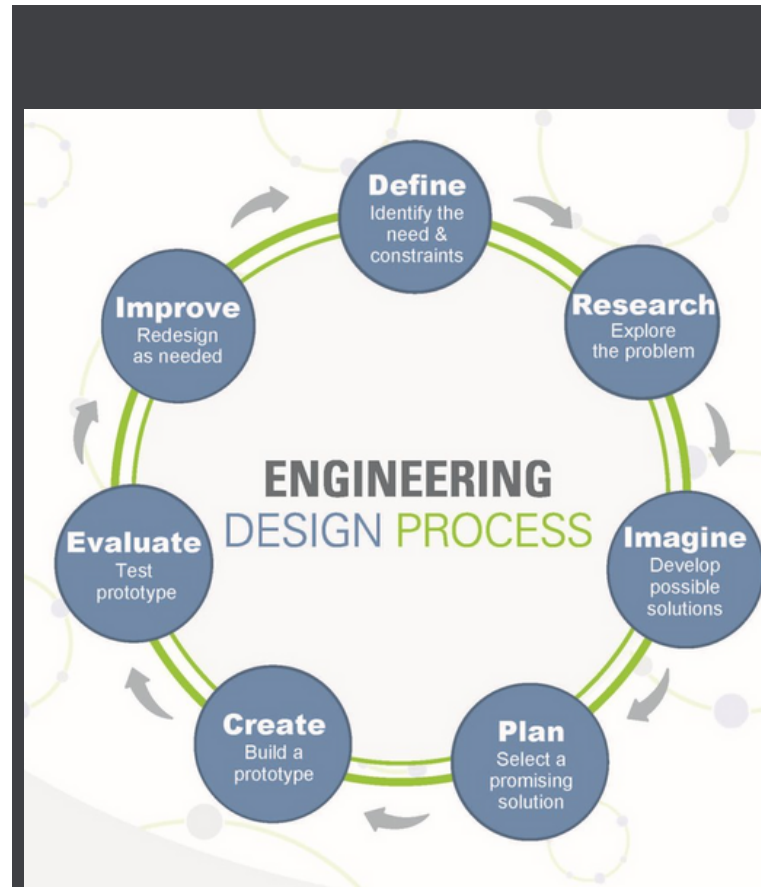
plan work for May 2024-Feb 2025, refer to competition timeline

5. Notebooking

document your team's work in your engineering notebook

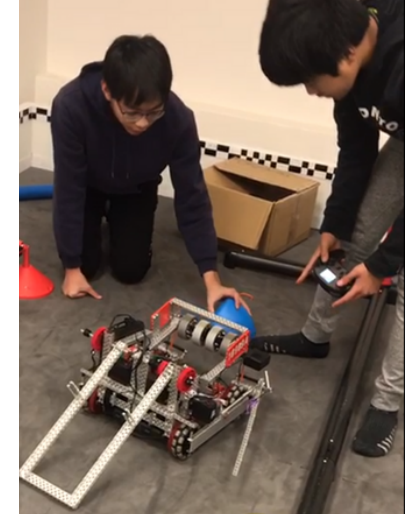
6. Robot Building

build at Exceed and continue at home



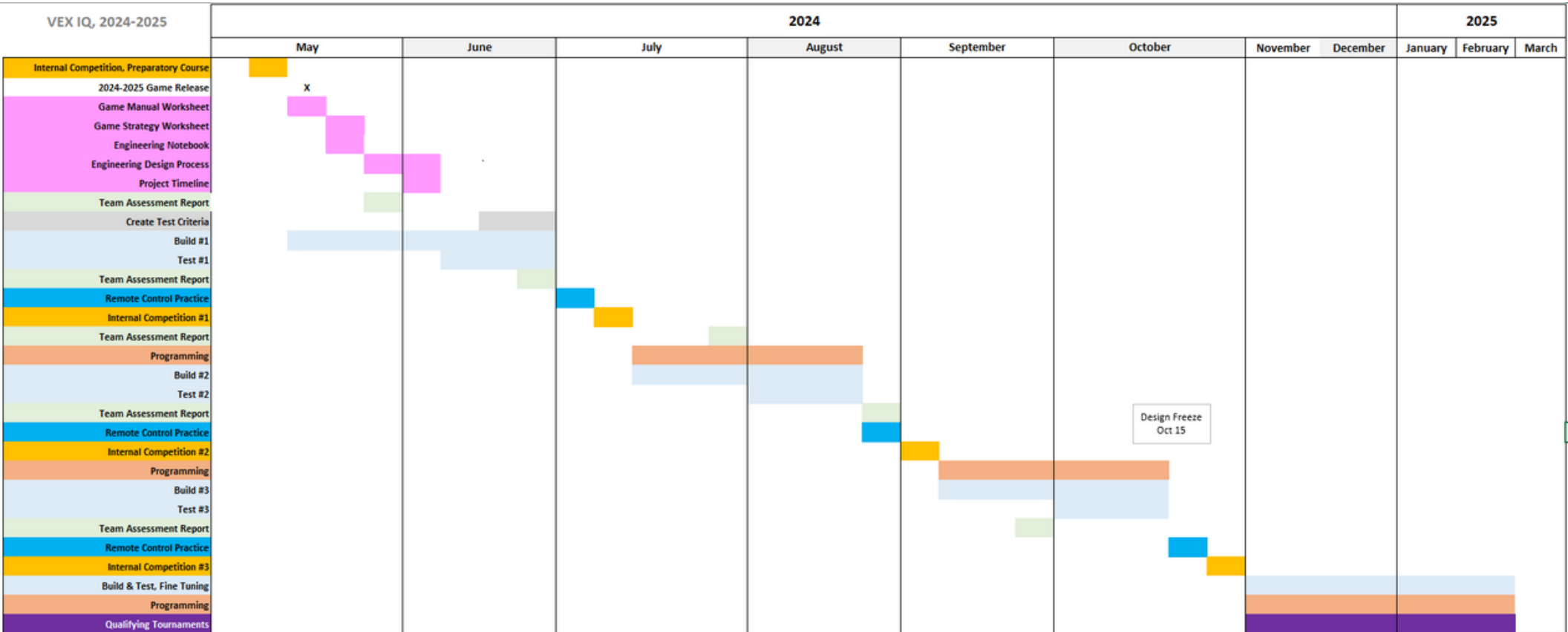
Milestones [Prep Course]

Feb 15, 2024	Preparatory Course starts
<i>March 7, 2024</i>	Worksheets submission Game Manual, Game Strategy, Engineering Design Process, Project Timeline
April 7, 2024	Robot Evaluation
<i>April 27, 2024</i>	Robot Design Freeze
<i>May 1, 2024</i>	Tournament Practice
May 7, 2024	Internal Competitions



Competition Work Timeline

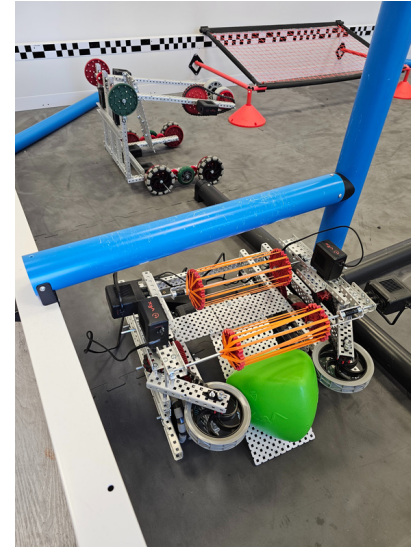
May 2024 - February 2025



Design Freeze
Oct 15

Milestones [2024-2025 Competition]

May 10-15, 2024*	Vex IQ 2024-2025 Game Launch
June 5, 2024	Teams Worksheets Submission Game Manual, Game Strategy, Engineering Design Process, Project Timeline
July 10, 2024	Internal Competition #1
September 5, 2024	Internal Competition #2
October 15, 2024	Design Freeze
October 25, 2024	Internal Competition #3
October 28, 2024 - February 15, 2025	Qualifier Tournaments



What is a Student's Role?

1. Robot Design & Build

following Engineering Design Process, take robots home

2. Project Timeline Commitment

plan entire year, work hard to meet milestones

3. Engineering Notebook

document all of your team's work (ideas, concepts, etc)

4. Teamwork and Homework

worksheets for homework, continue building at home

5. Competition Events

attend competition tournaments across the GTA
from Oct 2024-Feb 2025



What is a Parent's Role?

1. Communication Updates

download Discord app, team evaluation reports,
communication with coach

2. Team Presentations

attend timeline presentation arranged by coaches

3. Project Milestones

encourage students to meet project deadlines and
complete homework

4. Competition Events

attend internal competitions starting July 2024 and qualifier
tournaments from Oct 2024-Feb 2025



What is a Coach's Role?

1. Mentorship and Guidance
2. Preparatory Course
3. Workspace & Equipment
4. Team Evaluation Reports
5. Competition Registration
6. Vex Certification
7. Facilitate Conflict Resolution



Team Category

RECREATIONAL (REC) Teams are ideal for students who would like to experience robotics competitions but want to still have time to attend other classes and have free time. This category of competition team requires 2 hours of in-centre time per week and homework. REC teams will be provided one robot per team.



PROFESSIONAL (PRO) Teams are ideal for students willing to contribute more time and effort towards winning competitions. PRO teams require a higher degree of commitment by both students and parents, requiring four hours per week at an Exceed campus plus homework. Each Vex IQ PRO team will have two robots to work on at home.

Weekly Schedule

Select days at each campus are reserved for competition teams which will be finalized before competition application is opened. Please see the schedule below for tentative 2024-2025 schedules.

NOTE: VEX VRC competition teams are offered only in the Richmond Hill campus and will extend by an hour starting during the start of qualifier tournaments in October

	Recreational Teams [once per week]	Professional Teams [twice per week]
RICHMOND HILL campus	<p style="text-align: center;"><u>FEB - SEPT 2024</u> Mondays @ 5-7pm OR Fridays @ 5-7pm</p> <p style="text-align: center;"><u>OCT 2024-FEB 2025</u> Mondays @ 5-8pm OR Fridays @ 5-8pm</p>	<p style="text-align: center;"><u>FEB - SEPT 2024</u> Mondays @ 7-9pm OR Fridays @ 7-9pm</p> <p style="text-align: center;"><u>OCT 2024-FEB 2025</u> Mondays @ 6-9pm OR Fridays @ 6-9pm</p>
MISSISSAUGA campus	not available	not available
THORNHILL campus	not available	not available

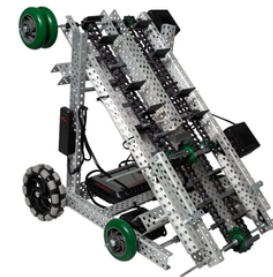
Registration & Tuition Fees

	Recreational	Professional
Registration Fee	\$2,000 +HST	\$2,500 + HST
Monthly Tuition Fee	\$249.95 +HST* [Feb-Sept 2024] \$295.99 +HST* [Oct 2024-Feb 2025]	\$449.95 +HST* [Feb-Sept 2024] \$495.99 +HST* [Oct 2024-Feb 2025]
Weekly Time at Exceed	2hrs per week [Feb-Sept 2024] 3hrs per week [Oct 2024-Feb 2025]	4hrs per week [Feb-Sept 2024] 6hrs per week [Oct 2024-Feb 2025]
Number of Students per Team	4-5 students per team	4-5 students per team
Number of Robots	one robot per team	<u>two</u> robots per team

*Pre-authorized monthly payments on the 15th of each month is the only payment plan available for Competition Teams

Registration Fee includes:

- Robot (lease)
- Replacement parts throughout year, unlimited
- Competition parts (lease)
- Vex Team Registration fees
- Vex Tournament Registration fees (3-4)
- Qualifier tournament coaching

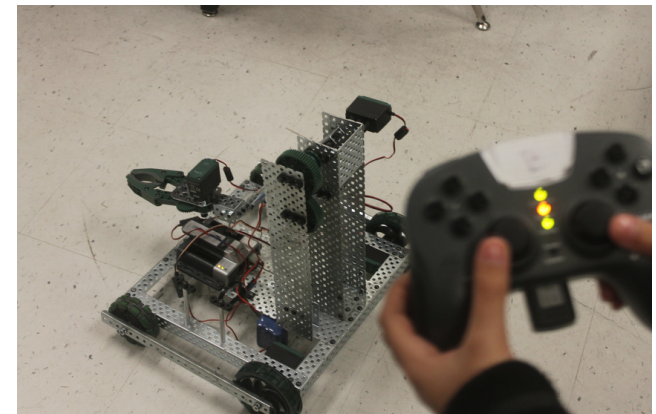


*Exceed will purchase competition fields and game kits at each campus

**Fees do not include provincial nor worlds tournaments costs if teams want to attend

Tips and Expectations

- Time and effort needed to excel
- Team conflicts are inevitable
- Full-year commitment
- Soft skills development
- Coach Limitations
- Design freeze date
- Valuable Experience for Students



Conflict Resolution Policy

This policy outlines the procedure for resolving conflicts that may arise between members of a Vex IQ competition team, applicable to all members of a Vex IQ competition team. For the purpose of this policy, a conflict is defined as any disagreement or dispute between two or more members of a Vex IQ competition team.

1. Incident Report

Issue reported by team member/parent/coach, details added to incident reports matrix reviewed with coach and Director of Operations during Weekly Coaches Review.

2. Team Discussion

Coach to arrange and facilitates a discussion between team members to raise concerns and define required actions; Follow Exceed Robotics' Stepped Consequence methodology to deliver effective consequences for misbehaviour and the Product Development Process to define deliverables and responsibilities.

3. Arbitration

If team members are unable to resolve the conflict internally, the team coach will provide arbitration and make a final decision on the matter. All team members and parents will support this binding decision.

4. Parent Meeting

Coach to arrange a discussion with parents and students involved in the incident, where performance, expectation and next-level consequence will be communicated and agreed upon.

5. Final Motion

For re-occurring or unresolving issues, coaches will make more significant changes to remedy the conflict. This might involve assigning a different role to team members, transferring students to another team or as a last resort removing students from the competition team

This policy is designed to ensure that conflicts between members of a Vex IQ competition team are resolved in a fair and timely manner. Involving the entire team, parents in the process can help ensure that all parties are heard and that a fair resolution is reached.



Frequently Asked Questions

1. How will competition teams be formed?

Teams will be formed in the first preparatory session by Exceed coaches and finalized in May when the 2024-2025 Vex robotics challenge is released. If your child has a friend who would like to join the team, please include in the competition team sign up form. Otherwise, Exceed coaches will assign teams according to student assessment during the preparatory course. In certain circumstances, changes to a team will be warranted and made by the coach.

2. Can we join but miss the summer months?

We don't recommend missing more than three or four weeks as the competition work is only five months in duration. Missed time needs to be made up by working extra upon return. Tuition fee will be charged for missed classes, no refunds for missed sessions.

3. How do we register?

An email will be sent to all parents on our competition mailing list containing an application form to be completed by the registration deadline. Students who are accepted will receive a link to register prior to February 1st.

The application form and registration link will be available on our website www.exceedrobotics.com under the Competitions.

Frequently Asked Questions

4. What does work at home involve?

Students will be required to continue working at home conducting research, completing assignments related to the competition and working on building/programming their robot.

5. Do we take the robots home?

Teams will be encouraged to take their robots home and come up with a transportation solution for their robots. Teams can assign members to take the robot home to continue building while other team members complete other tasks set by the team.

Robots will be provided to teams starting from the preparatory course and students are responsible for all parts until the end of the competition season.

6. What are the costs associated with joining a competition team?

Robotics competition teams have a one-time registration fee and monthly tuition fees. The registration fee includes competition robot kits, unlimited replacement parts, team registration and tournament registration costs.

REC and PRO teams have different registration and monthly fees due to a difference in the number of robot kits and number of hours at Exceed each week.

7. What payment options are available for competition teams?

Only the pre-authorized monthly payment plan is available for competition teams where the first month is paid online and subsequent months are processed by Exceed on the 15th of each month

Frequently Asked Questions

8. What could parents do to help?

Parents could help by joining our Discord communication channel and encouraging students to work on any assigned tasks at home. By being part of team communication, encouraging students to complete their work and attending internal and external competitions are the primary requests from parents.

9. What do we do if we have concerns with another team member?

Our Conflict Resolution policy has a student or parent notifying their coach as a first step. The coach will facilitate a discussion with the team to come up with solutions and ensure resolution by following up with the team's defined actions. Parents will be contacted by the coach when needed and arbitration provided by the coach when the team cannot come to a resolution.

10. What is the cancellation policy for competition teams?

Joining a competition team requires a notable time commitment from both students, coaches and parents. In case of cancellation, a portion of the registration fee will be refunded as follows:

- 50% refund of registration fee if cancellation notice is received before May 1st, 2024
- 25% refund of registration fee if cancellation notice is received before October 15, 2024
- no refund of registration fee for cancellation after October 15, 2024

Tuition fees for future sessions will be removed upon cancellation, completed sessions are non-refundable
Cancellation request must be submitted in writing to competition@exceedrobotics.com