

MarauderTech 9573

Introduction Presentation

Join our team: bit.ly/join9573



WHAT IS FRC?

- FRC (FIRST Robotics Competition)
- Students have six weeks to design, build, and program a robot to participate in a themed challenge
- Combines the rigors of sports with science and technology
- Partake in a global community of problem-solvers passionate about robotics and engineering
- All skill levels are welcome!



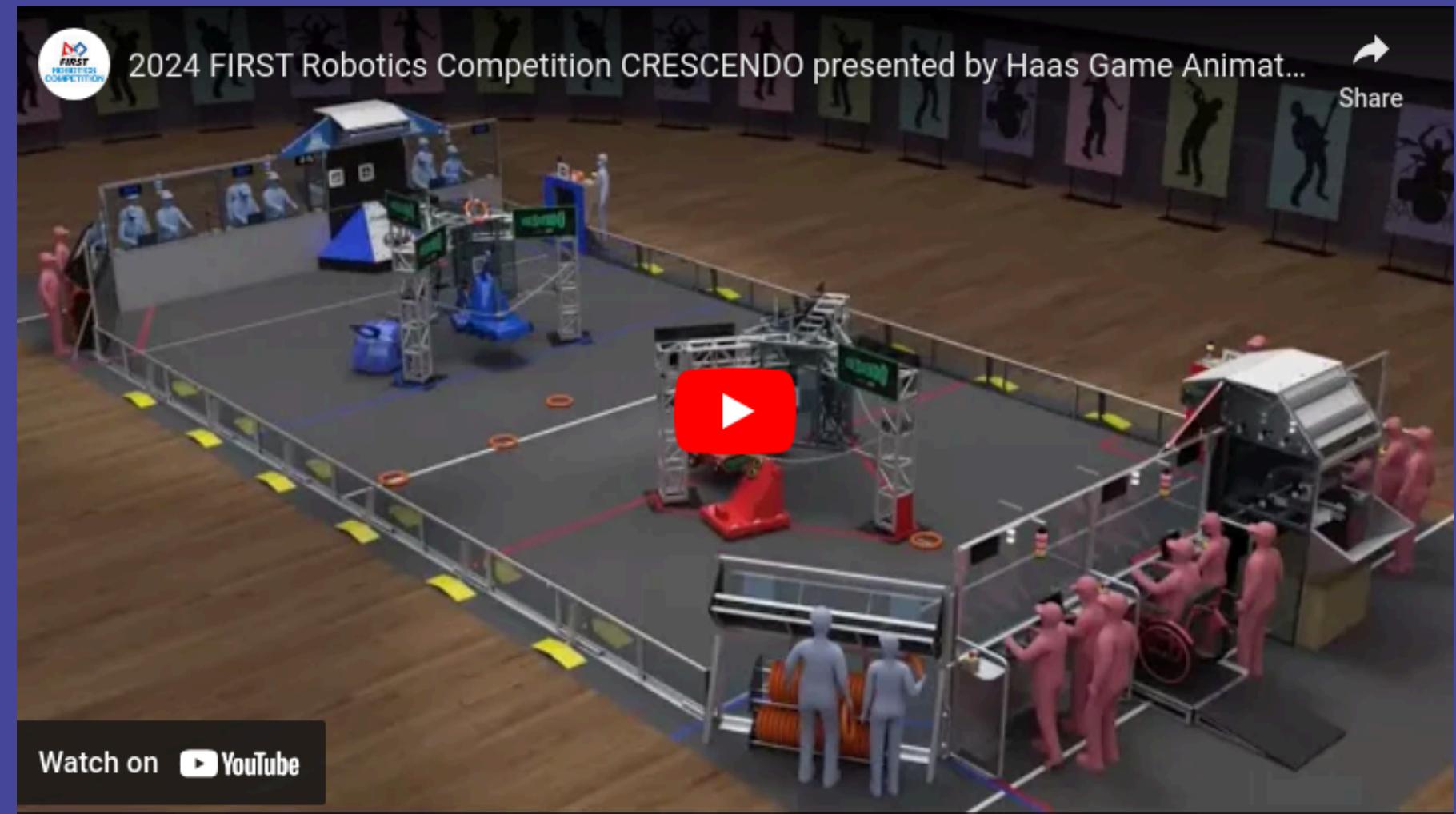
MORE THAN JUST ROBOTS

- Operates under the ethos of “cooperition” and “gracious professionalism”
- Embracing competition but empathic to teammates, competitors and volunteers
- Competing and cooperating at the same time. Sharing resources & parts and helping solve other team’s problems



Another team, SuperNURDs, giving us a breakdown of their robot and design process

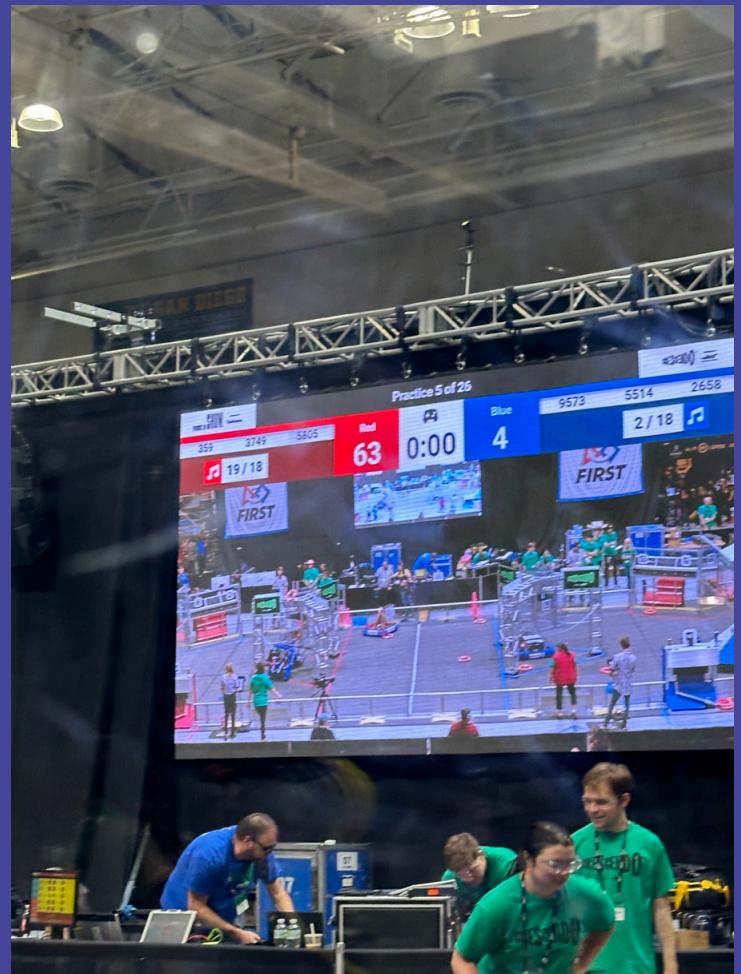
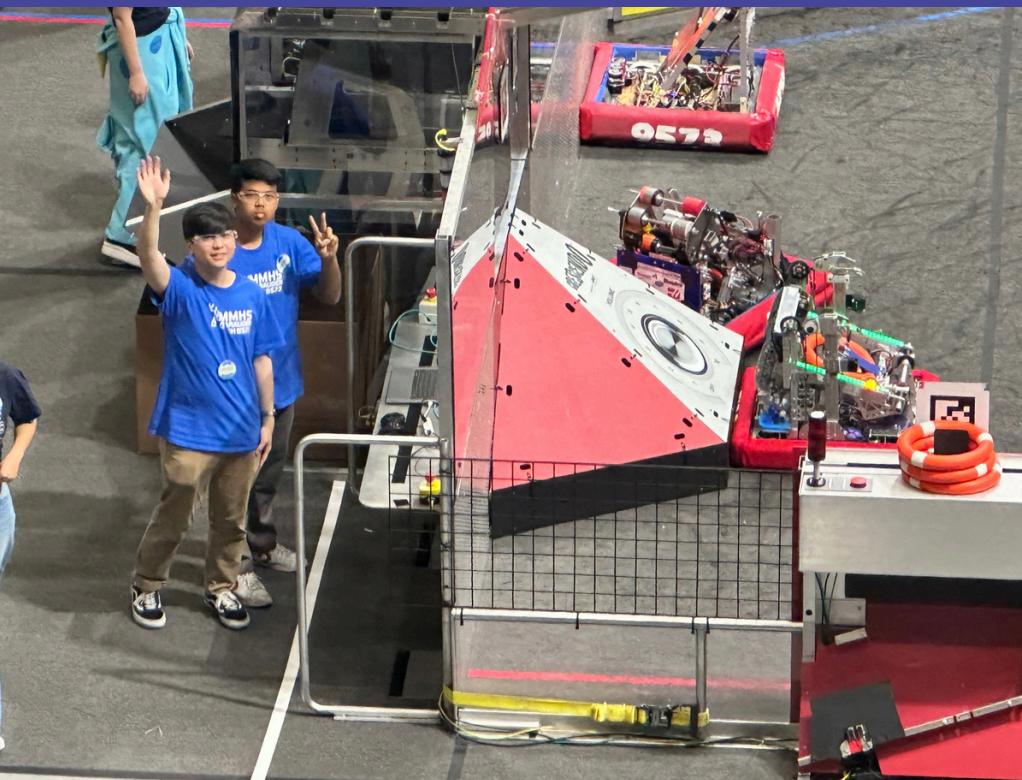
THIS YEAR'S GAME



Every year, there is a different game that teams need to design and build their robot to participate in. In CRESCENDO, teams needed to shoot “notes” to “speaker” and “amp” goals, and get “on stage”



SAN DIEGO REGIONAL



FAIRBOTICS



ONE OF OUR ROUNDS



Our team is broken up into different departments that are in charge of different parts of the robot:

- Mechanics: assembly and fabrication of the robot
- Electronics: creating and managing the electrical systems
- CAD: designing and 3D modeling the robot
- Programming: logic between controls and robot sensors and motors

DEPARTMENTS



DEPARTMENTS

- Admin: managing finances and organizing the team
- Media: creating team content, managing social media

Pick the department that best interests you! We also give everyone a general training over each department and allow people to work in-between departments



TIMELINE

- August–December: Off–season training and competitions
- January–February: The new FRC game is revealed, and we start designing, building, programming, and testing our robot.
- Late February–April: Competition season. Robot should be done by this point with only minor adjustments and we attend our regional competition
- April–Summer: Off–season adjustments and competitions



WHY JOIN?

- Develop valuable skills and get hands-on experience in engineering, coding, and problem-solving
- Build your interpersonal skills like teamwork, communication, and leadership
- Have fun building a robot from scratch and participating in exciting competitions.
- Be active in the community with outreach events
- FRC specific scholarships
- Get to network with students and teams from different schools, states or even countries



The judging process. During competitions, judges interview teams about their teamwork, design process and robot for awards

TIME COMMITMENT

- FRC should ideally be treated like any other sport or team activity
- Especially during build and competition season, there will be a large time commitment after school and during Saturday school. Specific meeting times will be communicated before winter break
- During the fall semester, meetings are focused on training and are Monday after school from 2:25–5 and Saturdays 8:30pm–12:30pm



Thank you!



Join:



or:
bit.ly/join9573

ANY QUESTIONS?

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