



Team 34743A

# Saugus Robotics

*Sponsorship Information*



## About our Program

We're **Saugus Robotics**, made up of **FIRST Robotics Competition** team #11096 and **VEX Robotics** team #34743, both based at **Saugus High**, leveraging its machine shop. Our mission is to educate and empower students of all skill levels through **hands-on engineering, design, and teamwork** as we build and compete with custom robots. Both of our teams are led by students with prior FRC and VRC experience, and we are committed to creating a sustainable, student-driven robotics program that develops **real-world skills** for future careers. By supporting us, you help provide students with access to transformative STEM experiences and the resources they need to innovate and succeed.

## About our FIRST and VEX Teams

Team 11096 (known as  $\Delta t$ ) is a new **FIRST Robotics Competition** team starting up for the 2026 season. Our nickname, " $\Delta t$ " is inspired by a racing term: "delta time" which signifies the time between laps. Our team brings together students from Saugus and other Hart District schools in distinct subteams such as programming, design, manufacturing, and business.



**Our Shared Workspace**

Team 34743 is the only **VEX Robotics** organization in the Santa Clarita Valley. With the addition of a new sister team this year, we're expanding access to robotics for more students. Our program welcomes students of all skill levels and connects them with experienced mentors, creating an environment in which young engineering students can thrive.

## What is FIRST?

The FIRST Robotics Competition (FRC) is a global program where high school students build industrial-sized robots that drive, shoot, climb, and more, to solve an annually released game challenge.

In just six weeks starting every January, student teams, guided by experienced mentors, design, machine, wire, and program fully custom robots while also running fundraising, branding, and outreach.

FRC mirrors workforce training and what an internship should be: real engineering, manufacturing, and project management. It gives students firsthand experience with the tools, pressures, and collaboration found in professional industries.



**2025 FIRST Championship**

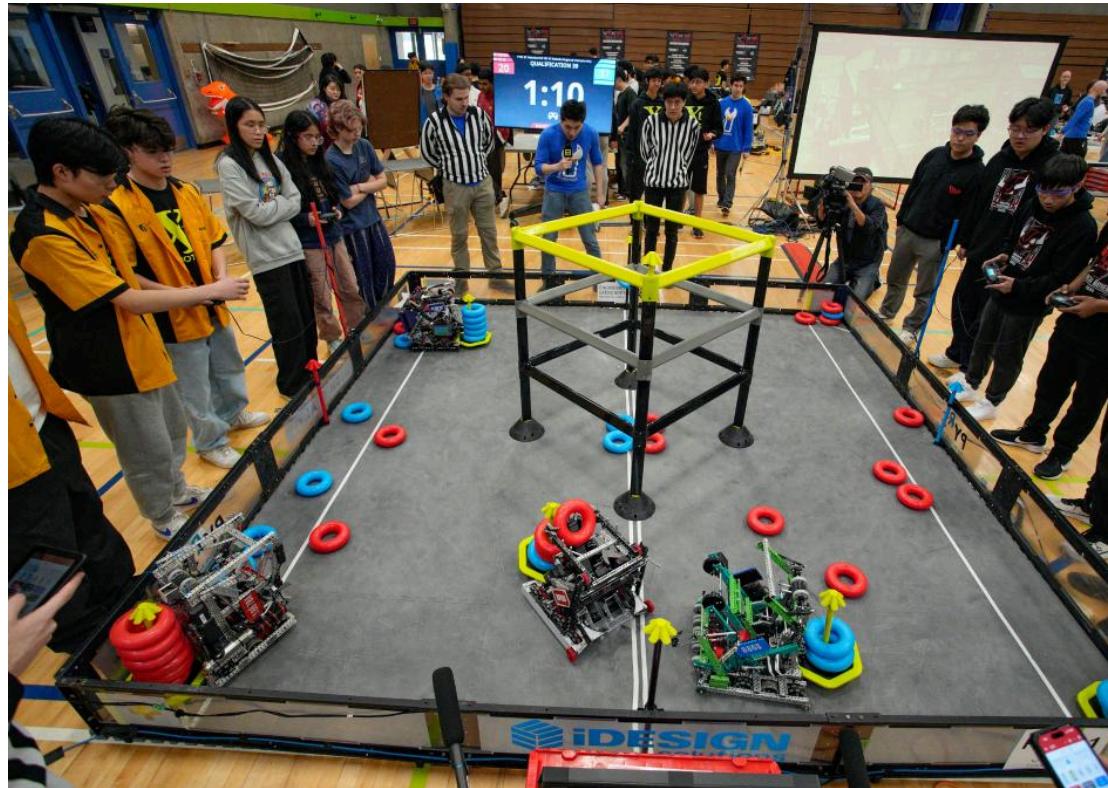
### Quick Facts:

- 3,701 Teams (2025)
- Over 90,000 students worldwide (2025)
- 3v3, 2.5min match structure
- Robot weight: 115lb
- Robots freshly designed every season
- Intensely competitive 600 team world championship

## What is VEX?

The **VEX Robotics Competition** is the largest and most prestigious global robotics program, where high school students build a robot to complete a multitude of tasks. Over the course of the year, student teams build and refine their bot to improve the efficiency and quality. This length of time enables students to fully immerse themselves and become experts, such as in a sport. A new game is released the same day as the old season ends, meaning that there is never a lapse in learning, building, and developing.

Each season's game features intricate field elements like towers, goals, and stacking challenges. They are similar in mechanics but at a smaller scale than FIRST, allowing for a more accessible level of competition.



### Quick Facts:

- 14,000 Teams
- Over 56,000 students worldwide
- 2v2, 4 minute matches
- The robots can also compete solo in skills competitions.
- Every season a new game is announced with brand new obstacles for students to overcome.

## Through FIRST:



**90%**

*Complete a college degree*



**41%**

*Major in engineering*



**93%**

*Gained mechanical or technical skills*



**98%**

*Improved problem solving skills*

## Students will:

- Apply engineering tools such as CAD/CAM software to design and build competitive robots
- Learn real world coding and problem solving
- Lead projects, organize tasks, and manage time under real deadlines
- Create media, graphics, and branding
- Build confidence and leadership skills
- Present and communicate ideas effectively

*Source: FIRST 10 Year Longitudinal Study*

Students on our FIRST team build workforce-ready skills in multiple disciplines. They learn CAD/CAM software like Onshape and Fusion 360 at a high level to design complex robots, then learn to operate industrial machines such as saws, lathes, mills, and laser cutters to make them. Programming wise, students develop proficiencies in real-world technologies including PID control, I<sup>2</sup>C sensors, and CAN communication.

## Program Budget

Our FIRST team will participate in 2 qualifying competitions as well as potentially, the District Championships. Our VEX team aims to attend at least 5 tournaments, with hopes of qualifying for the state championship. Each tournament is priced at about \$150-\$200, with the cost of States being about \$300. This affordable pricing allows teams to participate in more events per season.

### Season Registration: **FIRST \$6,300 | VEX \$400**

Paid to *FIRST* and the REC foundation annually for official season participation. This includes the price of 2 qualifying competitions for FIRST. Each VEX tournament is priced at an extra \$200, and \$300 for states.

### Construction Materials: **FIRST \$2,000**

Materials used to build our robot as well as self-made equipment, including: polycarbonate sheets, aluminum sheets & box tube, and wood for prototyping and field elements.

### Off-the-shelf Components: **FIRST \$13,000 | VEX \$3,200**

This includes components such as fasteners, gearboxes, and competition-specific control system electronics & motors. This expense is frontloaded for our first year, and the vast majority of these components will be reused in future seasons.

### Additional Equipment: **FIRST \$2,000 | VEX \$250**

Equipment that we don't have access to from our school, including transportation equipment to move our robot and event equipment that we need to have available at competitions.

### Miscellaneous expenses: **FIRST \$2,700**

Extra expenses, including but not limited to: team t-shirts, branding, software subscriptions, and unanticipated purchases.

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**Season total: FIRST \$26,000 | VEX \$3,850**

## Why support us?

Saugus Robotics is fully run on the generosity of donors. Supporting us is an investment in the future of STEM in our local community. Sponsors play a direct role in empowering students to solve complex problems, innovate, and grow as leaders.

In return, sponsors receive visible recognition on our robots, team shirts, media, and at events, showcasing your commitment to education and the community. Thanks to our fiscal sponsor, we are able to accept tax-deductible 501(c)(3) donations and make our finances transparent, so you'll know exactly how your donation is used.

## How you can help:

**Funding:** Financial contributions help cover competition registration, materials, equipment, and other team expenses.

**Mentorship:** Industry professionals and skilled volunteers who can guide students in engineering, programming, business, and outreach.

**Services:** Manufacturing support through services like aluminum sheet metal cutting and bending, CNC milling, powder coating, or anodization.

### In-Kind Donations, including but not limited to:

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|---|--|
| <ul style="list-style-type: none"><li>- <b>Hand and power tools</b></li><li>- Electrical components (wiring, connectors)</li><li>- Aluminum, polycarbonate sheets &amp; tubing</li><li>- Ball bearings</li><li>- Used machines (contact us)</li></ul> | <ul style="list-style-type: none"><li>- <b>Fasteners (10-32, 1/4-20)</b></li><li>- Wood</li><li>- HTD Belts (5mm pitch)</li><li>- FDM filaments</li><li>- Safety equipment</li></ul> |
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Please contact us for a more detailed description of what specific parts we are looking for!

## Sponsor Tiers

### Diamond Sponsor - \$4500+

- Prominent company logo on robot
- Large company logo on t-shirts
- Student-machined recognition piece
- All benefits from Gold

### Gold Sponsor - \$2000-\$4499

- Large company logo on pit banner and workspace
- Company logo on robot
- Company logo on t-shirts
- Company logo and tier on webpage
- Instagram shoutout

### Silver Sponsor - \$1000-\$1999

- Company logo on robot
- Company logo on t-shirts
- Company logo and tier on webpage
- Instagram shoutout

### Bronze Sponsor - \$500-\$999

- Company name on robot
- Company logo and tier on webpage
- Instagram shoutout

The value of in-kind donations (as well as \$500 per mentor brought in through your organization) counts towards these levels. We're happy to work with you on other specific benefits. Let us know what matters most to you, and we'll try to make it work!