2024 - 2025

Milpitas Xtreme Robotics

Sponsorship Packet

MXRMHS@GMAIL.COM

12 Members
(2016)

100+ Members
300+ Alumni

Achievements

FTC Judges Award

NRL Innovation Award

VEX Sportsmanship, Inspire, Amaze Award, Design Award, Think Award

VEX Tournament Finalist

VEX x2 Tournament Champion, Skill Champion

VEX State Champion, Excellence, and Skills Champion.

VEX Google and REC Foundation Community Award

VEX x5 Worlds Qualification

Commendations

US Congress 17th District, CA State Assembly 25th District, Santa Clara County Board of Supervisors, Milpitas City Council, MUSD School Board

ABOUT

MILPITAS XTREME ROBOTICS

Milpitas Xtreme Robotics (MXR) has been the official robotics club of Milpitas High School for 20 years and continues to grow. We provide the students of Milpitas High School a chance to discover, create, or nurture a passion for what the Silicon Valley is famed for - technology. MXR offers our members a chance to use the skills they learn in their classrooms on something more tangible. However, we also highly promote certain key concepts in our club; productive teamwork with fellow club members, innovation in engineering techniques used, and ingenuity in overcoming obstacles. In the past 7 years alone, we have grown from 12 members and 2 competitions to 300+ members, 21 divisions, 5 competitive teams, 5 major projects, 7 hosted programs/events, and a variety of workshops for our community.

Mission Statement:

We aim to give students hands-on experiences in engineering, programming, and leadership, as well as opportunities in STEM programs.

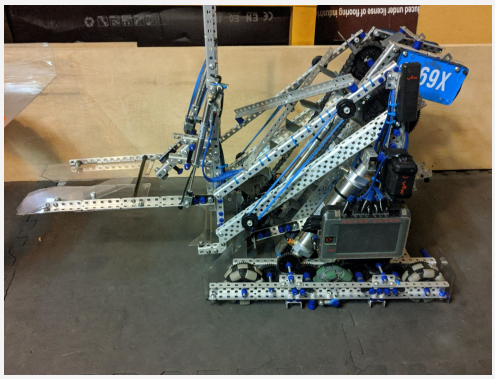
MXRMHS@GMAIL.COM

What is VEX?

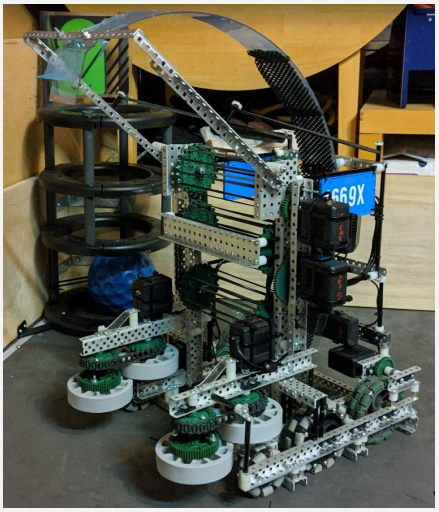
Each year Milpitas Xtreme Robotics competes in VEX Robotics Competition, the world's largest robotics competition. Every year a new game and objective is presented where teams try to score more points than opponents.

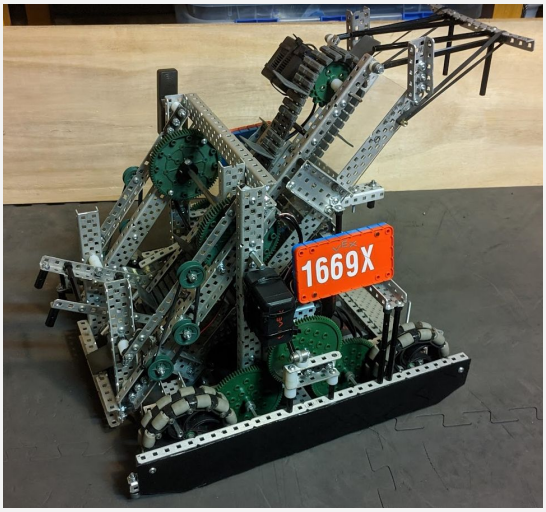
There are 3 factors in creating a VEX Robot:

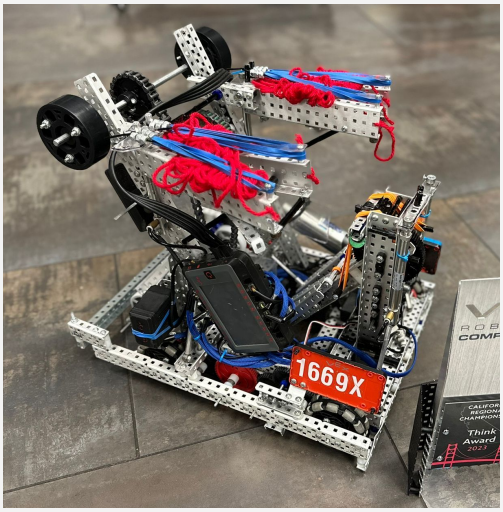
- Designing
- Building
- Programming



Students use CAD (Computer Aided Design) software such as Autodesk Inventor or Fusion 360 to create models of robots, then students build prototypes to test new designs and concepts. After designing, students collaborate and iterate to build the finished robot. Lastly the robot is programmed in PROS (C++) to create autonomous movements and driver control functions.





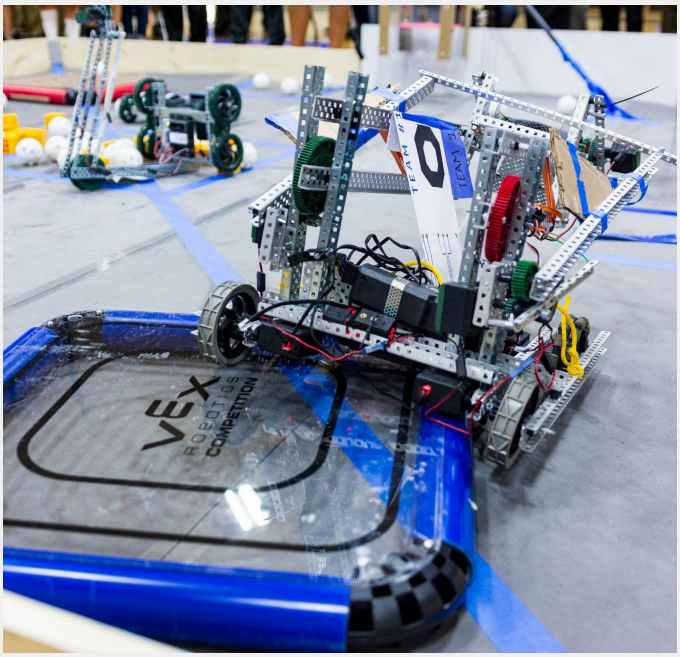


Competitive Teams

VEX teams work on designing, building, and coding using programs provided by vex and premade materials.

FIRST Tech Challenge students learn to design, build, and code robots to compete in an alliance format against other teams. Robots are built from a reusable platform, powered by Android technology, and can be coded using a variety of levels of Java-based programming.

In First Robotics Competition,) two robots are placed in an arena and compete against each other, while their respective drivers are controlling them from outside the arena.



Major Projects

Our drone team has been working tirelessly on their drone since February 2020. Project drone's most popular builds are our Night fury and our Quadcopter.

Some other major projects include recreating a Twitch Drone from Rainbow Six Siege, a 15-foot-tall Ferris wheel, a mock roller coaster, and a spiderbot.

MXRMHS@GMAIL.COM

Covid-19 Efforts

Our team worked hard to assemble over 300 face masks to donate.

MXR placed 2nd in Folding@Home in which we contributed our computing power to help fight global health threats like COVID19, Alzheimer's Disease, and cancer.

Outreach

Our Intra- Club Competition consisted over 200 event attendees, 30+ competitors, and 20 sponsors to participate in our very own robotics competition.

We have hosted various workshops to teach over 350 younger students robotics and STEM such as the Pomeroy and Sinnott after-school programs, Mecanum, Robotika, SySTEMatic, app development class, Districtwide STEAM Showcase and more!

Our middle school teams have participated in our robocode classes and our plastic-ant tournament.

Guest Speakers

We invited multiple tech innovators, from Stanford to SpaceX, to share their career journey with our club members.

MXRMHS@GMAIL.COM

Sponsorship Levels

Platinum

$3500+

Priority placement on T-Shirts
Priority placement on robot
Logo on team banner
All Benefits of lower tiers

Gold

$1499 to $3499

Priority placement in videos
Logo on promotional posters
Included in Engineering Notebook
All benefits of lower tiers

Silver

$500 to $1499

Logo in promotional videos
Logo on Robot
All Benefits of lower tiers

Bronze

Up to $499

Logo on Team Website
Letter of Appreciation

Sponsor Levels are Based on Yearly Contributions
Only Financial Contributions, Products, and Services are Accepted
Products and Services Must Be Utilized by the Team to be Accepted
Multi-Year Sponsorships are Also an Option

MXRMHS@GMAIL.COM

Average Annual Expense: 25k

Registration Fees	$2000
Parts	$7000
Competition Elements	$1500
Storage and Tools	$1500
Travel	$10000
Training Materials	$1000
Outreach (Classes)	$2000