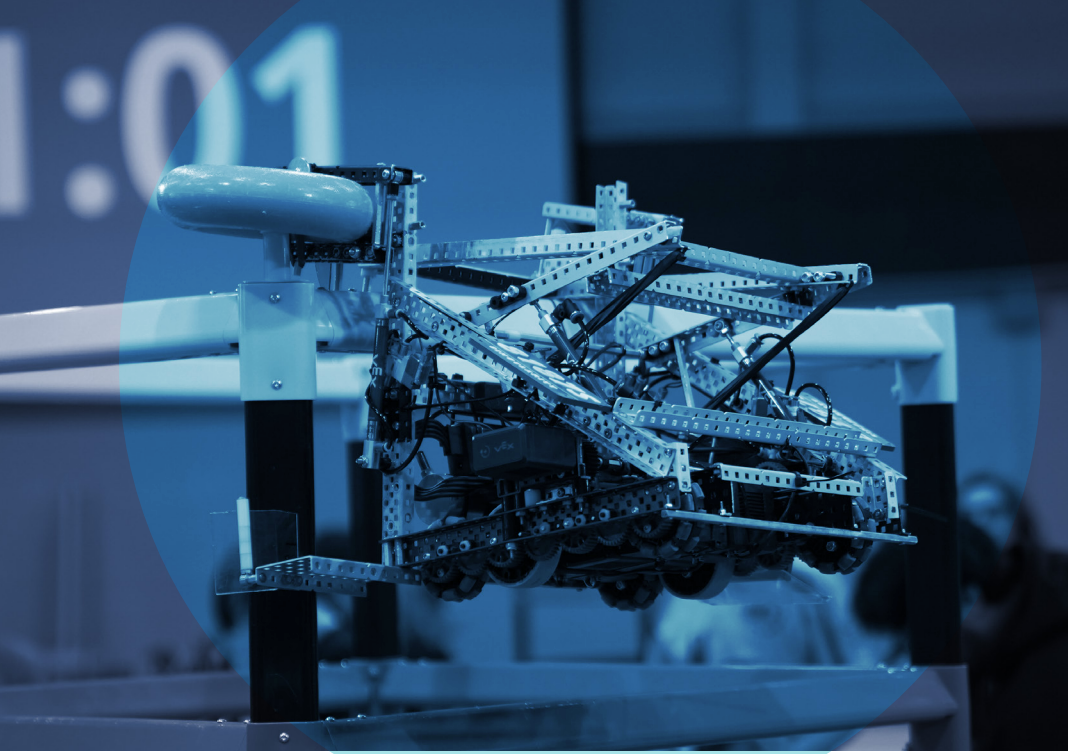


POWERING POTENTIAL

OVERVIEW & IMPACT

ROBOTICS EDUCATION & COMPETITION FOUNDATION (RECF)




Hello
My Name is





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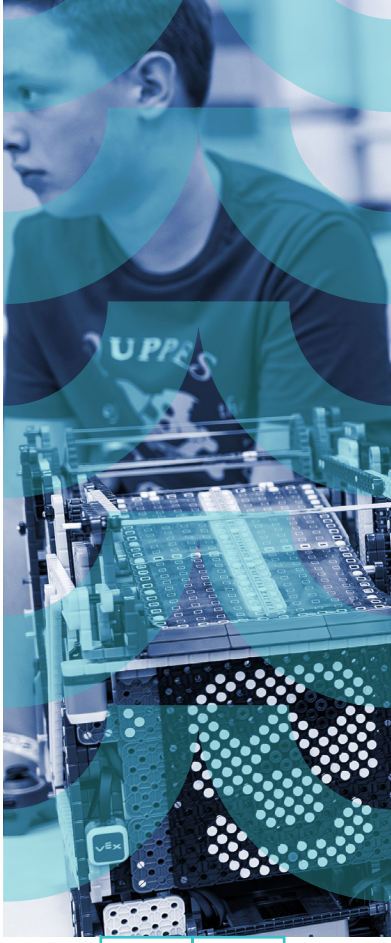
ABOUT US

Inspiring students one robot at a time.

At the Robotics Education & Competition Foundation (RECF), we believe that STEM learning is the key to a better future for all. Our programs place the student at the center of everything we do, allowing them to explore, discover, and challenge themselves as they gain skills that are just as valuable in day-to-day life as they are in the workplace.

When you partner with RECF, it's not just about providing resources to help students build a great robot or program the best flight path for their drone. You also create opportunities for students to find success in teamwork, overcome obstacles that seem insurmountable, and prepare for the future workforce.

Whether you are contributing through a donation, volunteer time, or in-kind support, you are helping to build a stronger, more resilient global community.





Reaching goals, exceeding expectations.

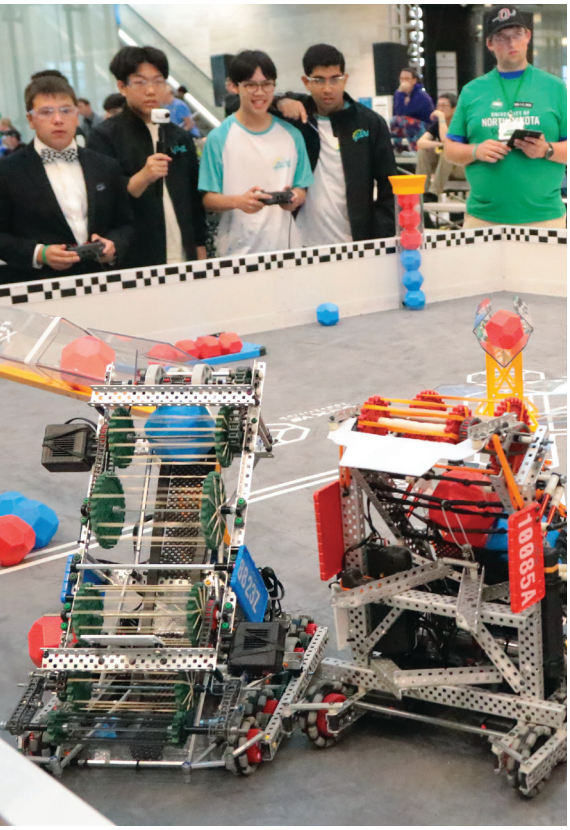
Mission

The Robotics Education & Competition Foundation's global mission is to provide every educator with competition, education, and workforce readiness programs to increase student engagement in science, technology, engineering, math, and computer science.

Vision

We see a future where every student designs and innovates as part of a team, overcomes failure, perseveres, and emerges confident in their ability to meet global challenges.



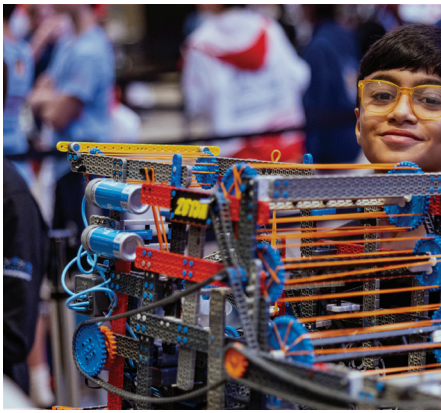




FEATURED PROGRAMS

RECF Achieve Robotics Competition

This competition is the largest middle school and high school robotics program globally. Each year, an exciting engineering challenge is presented in the form of a game. Students, with guidance from their teachers and coaches, build innovative robots using the robotics system and compete to qualify for the RECF World Championship.



"THEY'VE DISCOVERED A PASSION. SOME WANT TO STUDY CODING, WHILE OTHERS PURSUE ENGINEERING. THAT'S THE LONG-TERM IMPACT OF PROGRAMS LIKE THIS."

John V'Soske
Robotics Coach



RECF Engage Robotics Competition

This competition provides elementary and middle school students with an exciting new robotics challenge each year, introducing competition based robotics through fun and STEM-learning. Teams learn teamwork, collaboration, and STEM essentials in this hands-on program.





81%

of robotics high school students expressed interest in taking STEM courses in college.

86%

of robotics students said they enjoy school more because of participating in robotics competitions, with nearly half stating they "definitely" do.

*CNM 2023-2024 Post RECF Season Evaluation Report



Developing Lifelong Career Skills for Future Innovators

Aerial Drone Competition

The Aerial Drone Competition (ADC) provides middle and high school students with precision flight and autonomous programming challenges. Students develop teamwork and problem-solving skills, and solve problems with confidence. This fun aerial drone competition presents a challenge that requires students to work collaboratively and encourages innovation. The skills learned help participants prepare for a workforce where skilled drone operators and effective communicators are in high demand.

"THE AERIAL DRONE COMPETITION OFFERS A DYNAMIC, FUN, AND ENGAGING EXPERIENCE THAT PREPARES STUDENTS WITH THE SKILLS THEY NEED TO BECOME TOMORROW'S LEADING INNOVATORS."

Louann Cormier
Senior Program Manager
Aerial Drone Competition



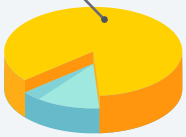
RECF Manufacturing and Automation Competition

This competition is a classroom-base competition that provides students with the foundational skills needed for today's advanced manufacturing careers. Students progress from education to workforce by engaging in hands-on curriculum using the a desktop robotic system.

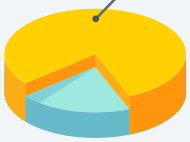
The focus of this program is to offer a comprehensive and scalable competition that helps change attitudes toward advanced manufacturing careers, teach critical workforce skills, reduce the growing industry skills gap, and ultimately create a stable pipeline of employees.

86%

Of students surveyed said they enjoy school more because of participating in RECF competitions.

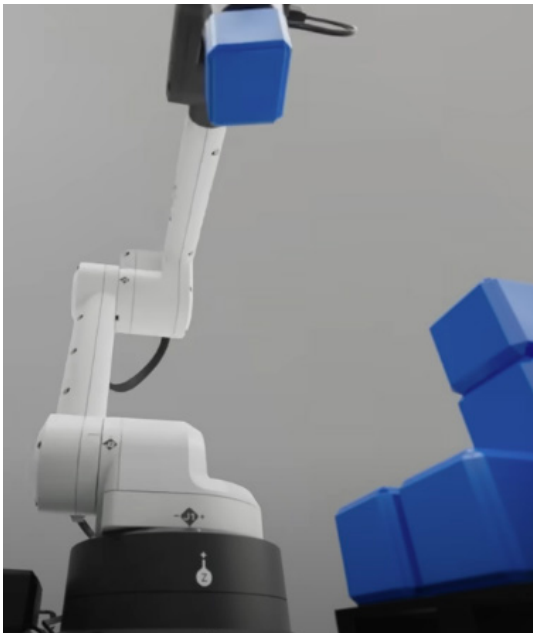


79%



Of all students said they were interested in pursuing a STEM-related career.

*CNM 2023-2024 Post RECF Season Evaluation Report





Industry Certifications

RECF Certifications Program was developed to support the global need for more students in the Science, Technology, Engineering, and Mathematics (STEM) fields.

The RECF provides industry certifications for students in CTE programs and robotics clubs. These certifications were designed by a team of accomplished professionals composed of engineers, college professors, and high school teachers.

"I CALL THEM MY INNOVATION TEAMS. SINCE THIS IS ABOUT MORE THAN JUST BUILDING A ROBOT, THIS IS ABOUT BUILDING CONFIDENCE, CURIOSITY, AND A PROBLEM-SOLVING MINDSET."

Josh Almoite
Robotics Coach

Participation in our programs supports student performance in school, with **93%** reporting doing better in engineering classes, and approximately two-thirds reporting improvements in science and math.

*CNM 2023-2024 Post RECF Season Evaluation Report

International Robotics Honor Society (IRHS)

Students with exceptional academic standing have the opportunity to apply for membership in a local chapter of the International Robotics Honor Society (IRHS) to earn nationally recognized graduation honors for their participation in high school robotics competitions.

While each chapter can develop their own local objectives, the primary goal of the IRHS is to elevate the profile of student participation in STEM Competitions at the school, district, and national levels and encourage more students to strive toward academic excellence in the STEM fields. This is achieved through character development, participation in service opportunities, and involvement in STEM Competition programs.

Benefits of the IRHS

- Recognizes students not only for their efforts on competitive robotics teams, but for academics, personal character, and community service
- Opportunity for students to earn accredited graduation honors for their participation in high school robotics competitions

"THROUGH IRHS, I'VE ENGAGED IN STEM ACTIVITIES AND COMPETITIONS BOTH WITHIN SCHOOL CLUBS AND BEYOND, FUELING MY PASSION FOR ROBOTICS AND EXPOSING ME TO DIVERSE ENGINEERING FIELDS."

Juan Gonzalez
IRHS Participant, Charter High School

SCAN ME



PROGRAM CONTINUUM



ELEMENTARY

- RECF Engage Robotics Competition





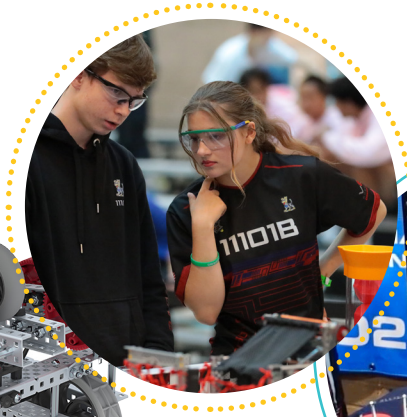
- Aerial Drone Competition
- RECF Engage Robotics Competition
- RECF Achieve Robotics Competition

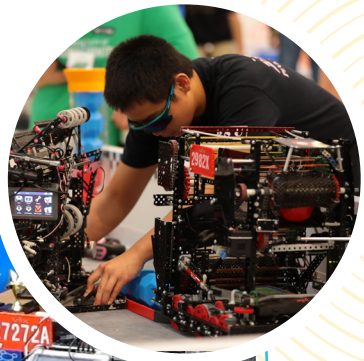
MIDDLE SCHOOL

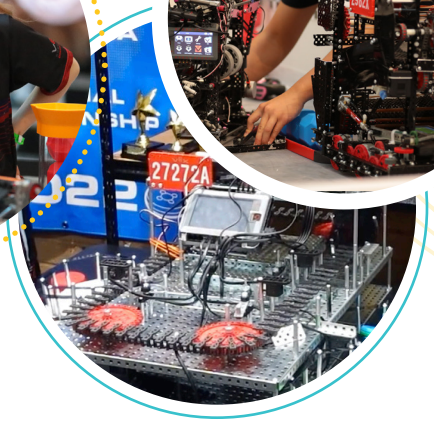


AERIAL DRONE COMPETITION









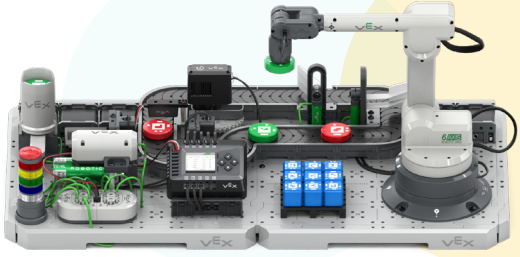
HIGH SCHOOL

- RECF Achieve Robotics Competition
- SkillsUSA
- JROTC Robotics Competition
- Aerial Drone Competition
- Aerial Drone Competition Pro
- RECF Manufacturing and Automation Competition
- Industry Certifications
- International Robotics Honor Society

- RECF Inspire Robotics Competition
- RECF Manufacturing and Automation Competition

POST-SECONDARY

COLLEGIATE



DESKTOP ROBOTIC SYSTEM

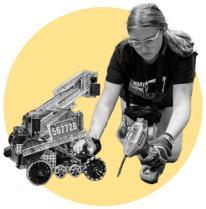
2024-2025

SEASON IMPACT NUMBERS

TEAMS BY GRADE



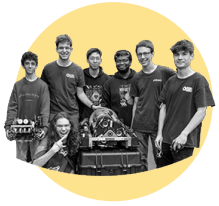
27,947
ELEMENTARY SCHOOL TEAMS



13,106
MIDDLE SCHOOL TEAMS



14,328
HIGH SCHOOL TEAMS



278
COLLEGE TEAMS

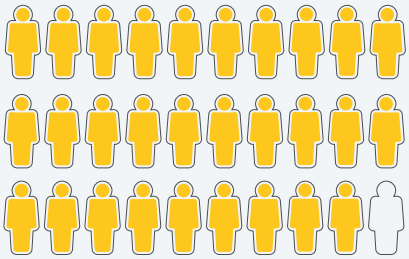
GLOBAL PARTICIPATION



"THE ROBOTICS BROUGHT US TOGETHER, BUT THE RELATIONSHIPS AND CULTURAL EXCHANGE MADE THE EXPERIENCE UNFORGETTABLE."

John V'Soske
Robotics Coach

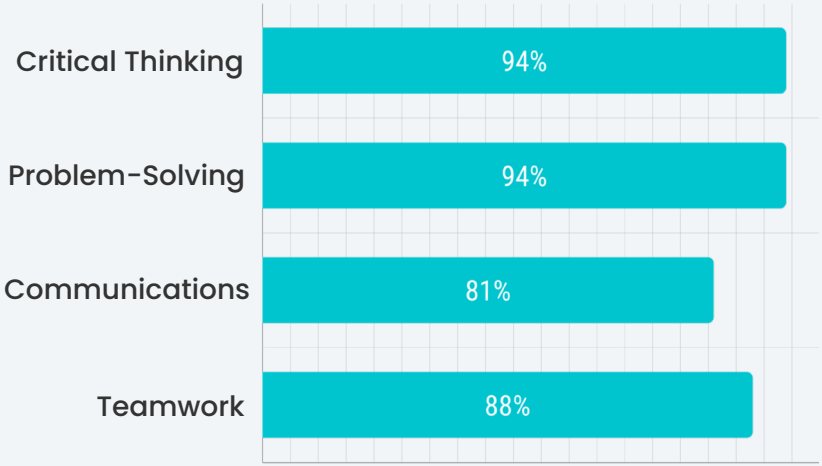




167,185
VOLUNTEERS

26M
VOLUNTEER HOURS

HIGH SCHOOL SKILL DEVELOPMENT



We surveyed high school students about their current skill development, and the data revealed key trends in the skills students are focusing on, highlighting areas of strength as well as opportunities for further growth.



"I WAS ABLE TO WORK DIRECTLY WITH STUDENTS AND SEE HOW THEY WERE INNOVATING AND GROWING. BEING ABLE TO OFFER GUIDANCE BASED ON MY OWN EXPERIENCES WAS REALLY AMAZING. IT FELT LIKE A FULL CIRCLE MOMENT."

McKenzie Koch
Robotics Participant, Advocate & Volunteer



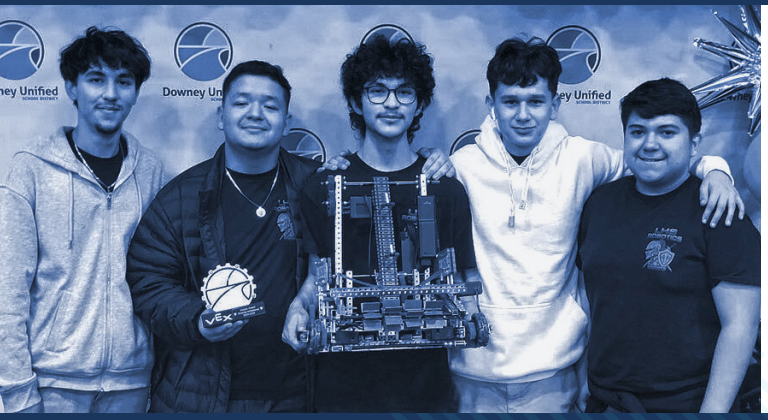
OUR STORIES

Building Confidence, Cultural Connections, and Lifelong Skills

John V'Soske, a dedicated educator and robotics coach at Black Rock Middle School in Villanova, PA, is watching robotics reshape the trajectory of his students' lives, one challenge and competition at a time.

In only its third year, the school's robotics team made its debut on the global stage at the 2025 World Championship. The journey to the World Championship was a milestone in itself, but for John and his students, the impact went far beyond the competition.

SCAN ME



Building a Robotics Legacy at Lynwood High School

Lynwood High School's robotics program is a beacon of opportunity in a community south of Los Angeles, California. Many of the students will be first-generation college students.



McKenzie Koch

Robotics Participant, Advocate & Volunteer

Robotics has never just been about the competitions. It's about growth, both on and off the competition field, by building skills, communities, and confidence. Now, as a soon-to-be college graduate and dedicated volunteer, she's using her experience to inspire the next wave of young innovators in Kentucky and beyond.



Josh Almoite

Innovation Director & Robotics Coach

Josh converted an old house, slated for demolition, into a robotics lab. He began inviting students and also reached out to an international school in Mexico to visit.

"I don't call them robotics teams," he said. "I call them my innovation teams. Since this is about more than just building a robot. This is about building confidence, curiosity, and a problem-solving mindset."



Oscar McCullough

Event Partner, Alumni & Emcee

I'm a software engineer, so technical skills like coding and robotics apply to my job. But the most important skills these programs teach students are about the process. Learning how to plan a project and how to approach your work—those are the most valuable skills they'll learn.

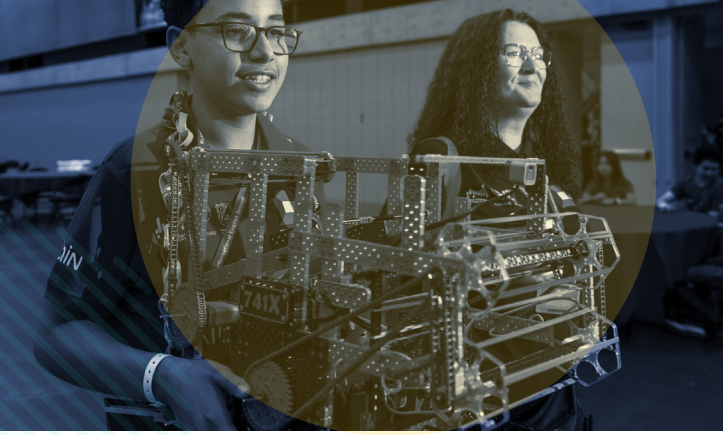
Launching the program wouldn't have been possible without financial support. Grants, including funding from the Mazda Foundation (USA), Inc., helped cover equipment and competition costs, which are critical to a brand-new program with limited resources. "That funding was essential," said Steve Cline, a longtime educator and robotics coach.

SCAN ME

FIND RESOURCES GET INVOLVED



•VOLUNTEER •GET STARTED •NEWS & UPDATES •CONNECT






MALL OF AMERICA
LEVEL 1, NORTH


ELECTRONS
5981R

GET INVOLVED

Get connected and learn more about our impact online at recf.org.

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