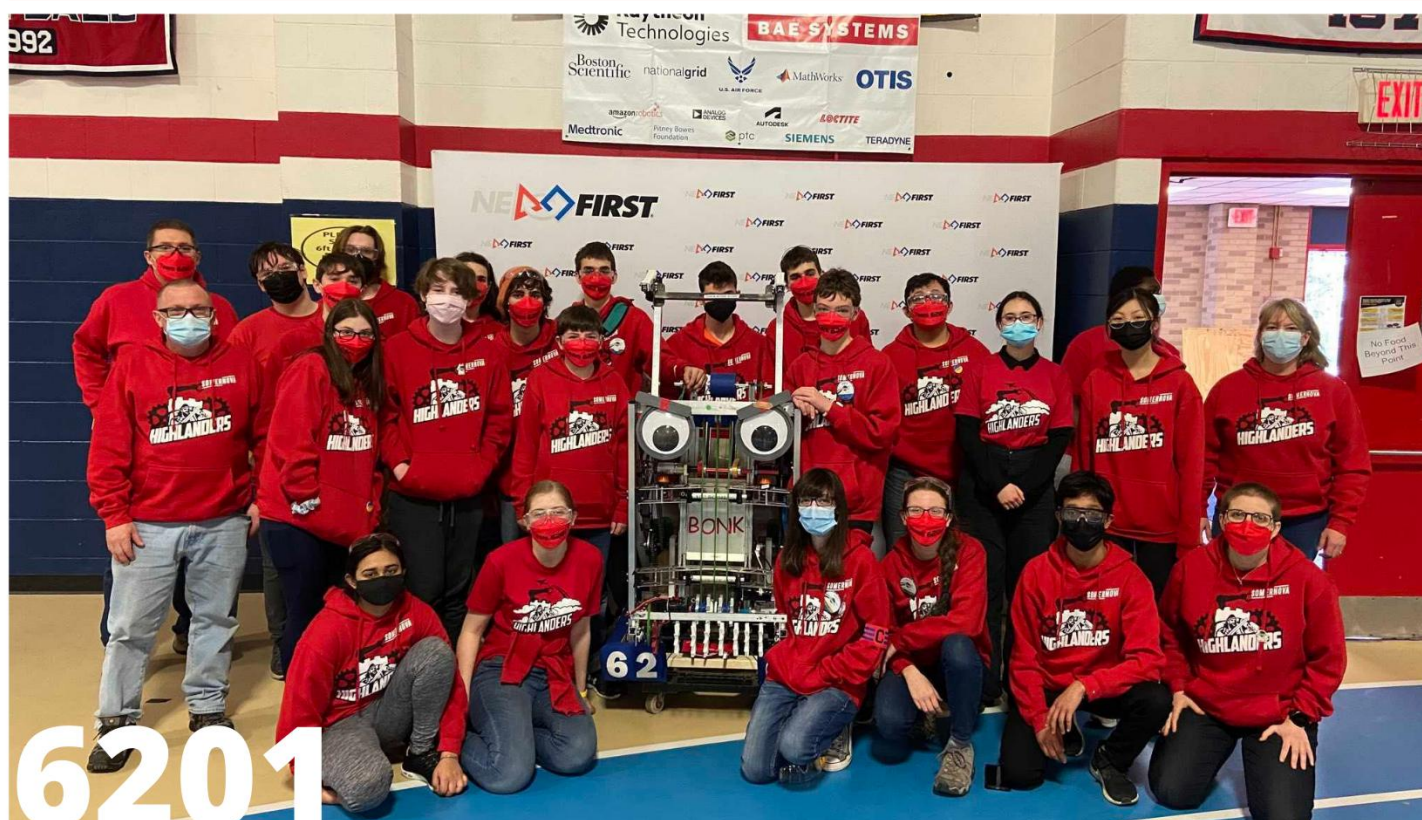


**2022 - 2023**  
**TEAM 6201**  
**SPONSOR**  
**INFORMATION**  
**PACKET**

# About Us



Our team, The Highlanders, was founded in 2015 by a combination of students and teachers in Somerville High School in an effort to use what students learn in the classroom and applying it to compete in the FIRST Robotics Competition. Since 2015, we have competed in a number of different events all across Massachusetts, along with some that occurred out of state, such as the 2017 FIRST World Championships in St. Louis, Missouri.

In a collective effort as a team, we work to build a robot by ensuring that everyone understands the complex concepts so everyone in the group can contribute. When it comes to new students, we teach them everything, starting with basic ideas to more complicated ideas. What they will learn includes how to program the robot with java, how to properly use tools, wiring electronics, how to create designs, and how to take their designs and turn them into 3D models using a computer software.

Aside from the technical aspects, we also do a lot of community outreach and business. We strongly believe that giving back to our community and inspiring the next generation of engineers and problem solvers is vital. We do community outreach events with the help of adult mentors where we attend local city events, make plans to visit middle schools to run robot demos, and come up with ideas for future events. When it comes to business outreach, it takes a lot of money in order to create a successful robot and a successful team, so we always work together to help fund raise money for future seasons so that the team can continue to compete in FRC and encourage a love of STEM in youth.

With all we do in robotics, every member of the team is able to develop not only skills with problem solving and critical thinking, but also skills in public speaking, coaching, communication, teamwork, and time management. These skills are essential inside and outside of our meetings, and we hope to be able to continue teaching crucial skills for those in our club as much as we can.

# FIRST

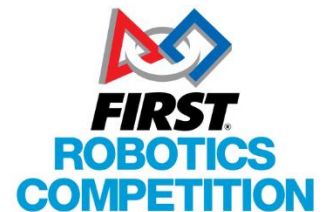
## What is FIRST?

FIRST (For the Inspiration and Recognition of Science and Technology) is a nonprofit organization that was founded by Dean Kamen in 1989. FIRST was created to get students from ages K - 12 involved in and excited about STEM. FIRST is made up of four different programs: FIRST Lego League jr, FIRST Lego League, FIRST Robotics Competition and FIRST Tech Challenge. Students from all four programs learn a variety of skills through the different robotics challenges they are faced with. FIRST goes beyond the competition and offers huge scholarship opportunities and internships for FIRST students and for FIRST alumni.

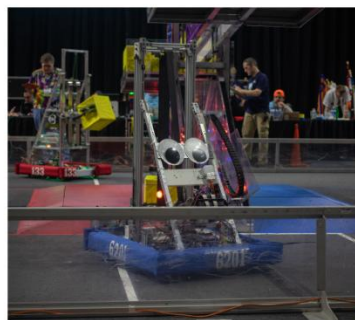
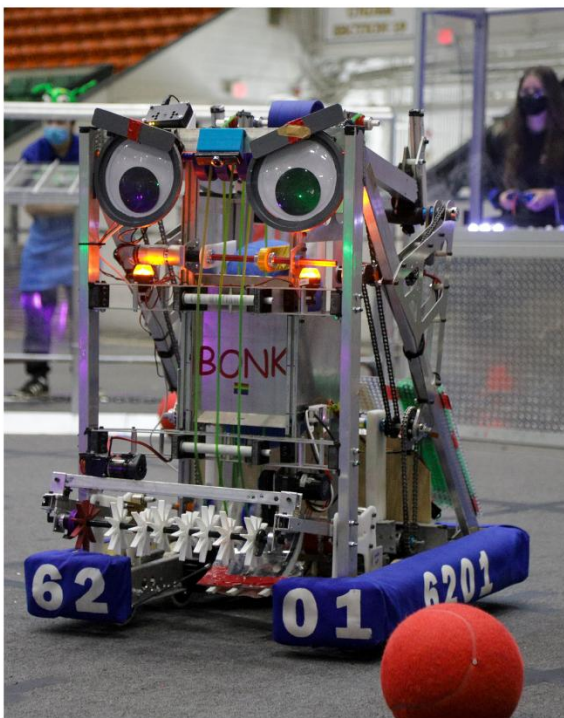


## What is FRC?

First Robotics Competition (FRC) is an annual international robotics competition that takes the excitement of sports and the challenges of STEM to create a competition where students in high schools from all over the world compete. Students who are on a FRC team are presented with a challenge on January 5th and are then given six weeks to design, build, and program a robot to perform tasks that will earn the team points. Teams use tools that are used by many engineers at their jobs today. Teams also work on nontechnical tasks such as team management, finance, graphic design, website development, and social media. The students on FRC teams also receive help from mentors and volunteers who use their skills to guide students to help their team succeed.



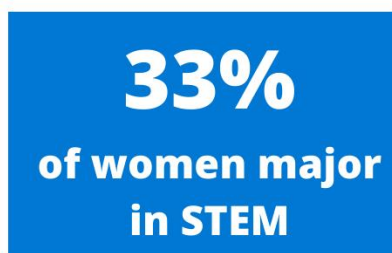
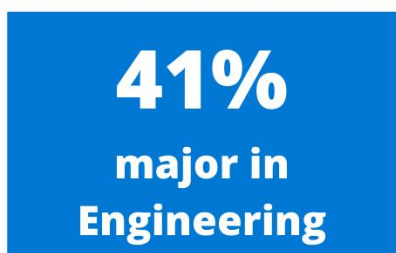
"It's not just about robots. It's about building self confidence, respect, and important relationships with people who invent new technologies to make a better future." – Dean Kamen, FIRST founder



# FIRST'S Impact

"FIRST invests in evaluation to continuously measure and inform the organization in its effectiveness in reaching its desired outcomes and making data-driven decisions to improve programs." Studies are conducted to evaluate the impact on youth participants including understanding changes in STEM interest and intent, education achievement, post-high school plans, career intent and outcomes related to 21st century work skills, as a result of participating in FIRST. The data gathered from students in FIRST® over the course of 10 years shows an increase in:

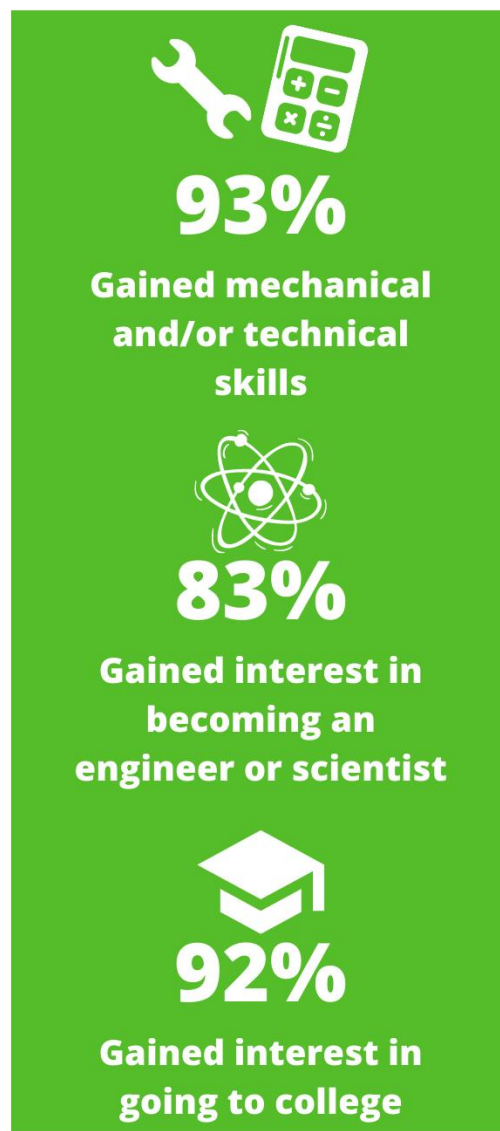
## STEM INTEREST



## WORKFORCE SKILLS GAINED



## LEADERSHIP, INNOVATION, ENTREPRENEURSHIP



Source: Cross Program Evaluation of the FIRST® Tech Challenge and FIRST® Robotics Competition (2011).  
Brandeis University (2016). FIRST® Longitudinal Study: Finding at Follow-Up. Waltham, MA.  
FIRST®, 2015 FIRST Alumni Survey.

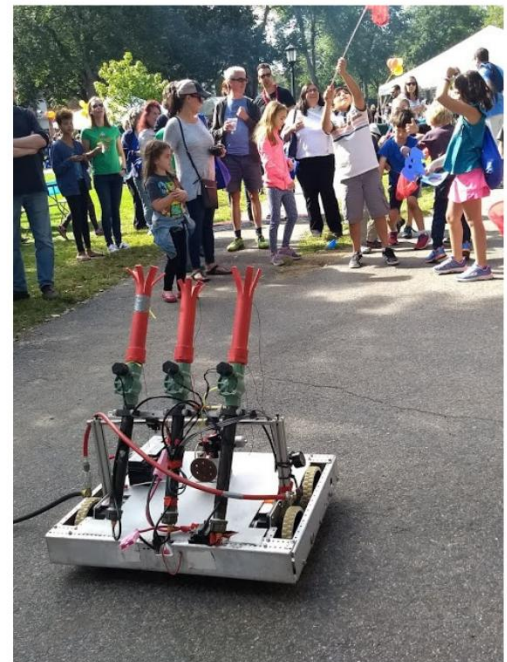
# Community Outreach

Our team has taken part in many community outreach events throughout Somerville. We attend local city events and festivals and visit elementary/middle schools to inspire younger students to pursue STEAM and robotics. At these events, we run robot demonstration, including our custom-built robot that launches candy for children. We also built a S'more making robot that makes s'mores that we have brought to many local events. The customer pushes a button and which starts the s'more building process. We feel it is important to help give children and families the chance to see what type of projects can be done when people work together, while also exposing them to FIRST Robotics and the opportunities available to join and support our team.

## 2022 - 2023 Community Events and Demonstrations

- Fluff Festival 2022
- Tufts Community Day 2022
- SomerStreets Monster Mashup 2022
- SHS Student Activities Fair 2022
- SPS STEM week 2022
- SPS Computer Science Education Week 2022
- Family Code Night 2022

Our team has been doing targeted outreach to students in Somerville Public Schools middle grades. Specifically our team hosted a **Middle School Summer Robotics program** for four weeks this summer at SHS, and kicked off a pilot of the **All-City Middle School Robotics Program** from October through December. Students from 6201 planned, designed, and facilitated these programs with support from adult mentors. Students in middle grades created robots using LEGO, and learned about art and design through 3D printing and laser cutting.



# Accomplishments

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## 2015 - 2016

Highest Rookie Seed award: North Shore Event in Reading, MA.  
The team ranked 11 with a record of 8-7-0.

Rookie Inspiration Award: UMass- Dartmouth Event in North Dartmouth, MA.

## 2016 - 2017

Creativity Award: NE District- SE Mass event in Bridgewater, MA.  
The team ranked Rank 6 with a record of 9-5-1.

Gracious Professionalism Award: NE District-Greater Boston event in Revere, MA.  
The team ranked Rank 6 with a record of 10-6-2.  
An article was written about the team winning the award in our city's newspaper.

Advanced to New England District Championship for the first time. The team ranked 22nd

Advanced to World Championship hosted in St. Louis, Missouri for the first time.  
Creativity Award: World Championship. The team was awarded the Creativity Award for our creative and unique robot design

## 2017 - 2018

The team ranked 7th with a record of 11-5-0 at NE District - Greater Boston Event NE District-Greater Boston event in Revere, MA.

Advanced to to New England District Championship

## 2018 - 2019

The team was rank 8th with a record of 9-8-0 at the NE District-Greater Boston event in Revere, MA.  
Team Spirit Award: The team was awarded the Team Spirit Award for our team's outreach and team spirit during competitions

An article was written about the team winning the award in our city's newspaper.

## 2019 - 2020

The team was ranked 7th with a record of 10-6-0 at the NE District - SE Mass event in Bridgewater, MA.  
Engineering Inspiration Award: The team was awarded the Engineering Inspiration Award for our team's outreach

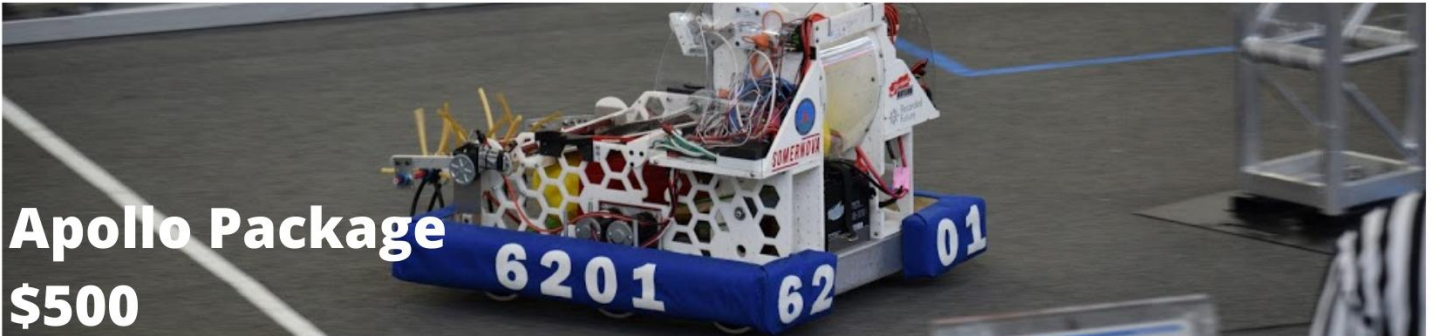
An article was written about the team winning the award in our city's newspaper.

## 2021 - 2022

The team was rank 12th with a record of 7-7-0 at the NE District-Greater Boston event in Revere, MA.  
Advanced to to New England District Championship

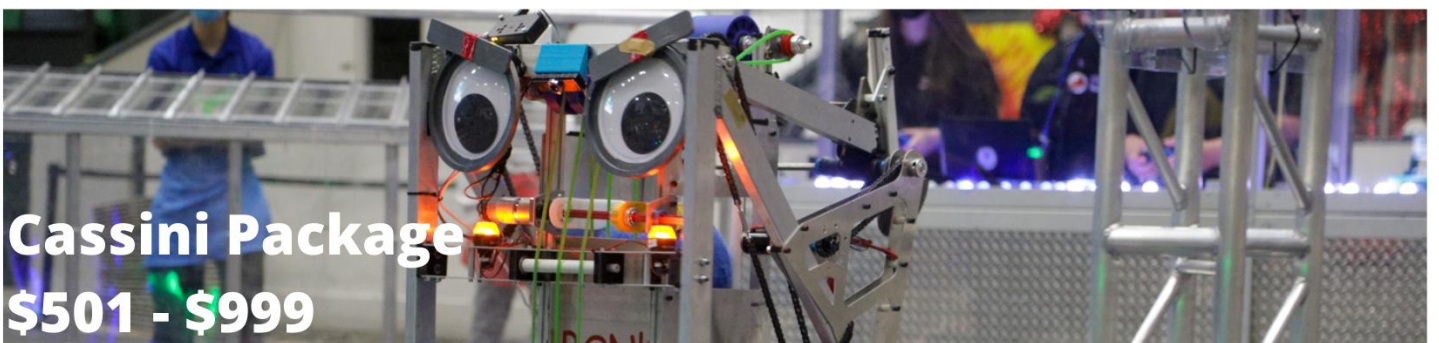
# Sponsorship Levels

The Highlanders Robotics is organized through the Somerville Public Schools. We are grateful for both monetary and in-kind donations. Each tier has a different set of benefit, stack upon each other as you move up the tier ladder.



## Apollo Package \$500

- Company name on our website's "Sponsor Page" and banner
- Company name on team T-shirt, which we wear to competitions and community events
- Thank you note for your support



## Cassini Package \$501 - \$999

- All the benefits listed above
- Logo on team Robot, which will be used at competitions and community events



## Genesis Package \$1,000 - \$5,000+

- All the benefits listed above
- Optional visit with our robot to your place of work or company party

# Contact Us

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If you would like more information on the Highlanders Robotics Team 6201, or would like to partner with us, please contact us:

## Team's email

frc6201@gmail.com

## Website

www.team6201.com

## Mailing Address

Somerville High School Robotics  
81 Highland Ave  
Somerville, MA 02143

## Head Mentor

Laura Peters  
lpeters@k12.somerville.ma.us



@frc6201



frc6201

Thank you for taking the time to review our sponsorship packet. If you would like to help support our team, we would love to hear from you.

