

1. Briefly describe the impact of the *FIRST* program on team participants with special emphasis on the current season and the preceding two to five years

In the past five years, 34% of alumni have gone into STEM fields. The *FIRST* program transforms participants, either instilling or broadening STEM interest. We've recently had students switch career plans from cheerleading and business to health research and computer engineering after participating in *FIRST* for several years. As part of our mission, we emphasize all our subteams as measurable learning opportunities that prepare us for the real world. (ADD STATS ABOUT SKILLS HERE)

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2. Describe the impact of the *FIRST* program on your community with special emphasis on the current season and the preceding two to five years

We've developed a reputation within the community as among the most impactful students. With over 600 students participating in the *FIRST* progression throughout Rochester, we've helped create many opportunities to spread the *FIRST* message. Students in our district now have access to FLL Jr, FLL, FTC, and FRC, and can compete in our hosted FTC event and FLL Jr/FLL practice event. Our many volunteering efforts establish a positive reputation as both smart and helpful citizens of our community. **496**

3. Describe the team's innovative or creative method to spread the *FIRST* message

We continually develop new ways to share *FIRST*, such as our Ambassador Program. Starting in 2017, the program globally has presented the accessibility of robotics. Through the program, we formed connections with all three Japanese FRC teams. We give them advice on mechanical design, their Chairman's presentation, and outreach, along with support in establishing a stable rookie team structure. Through the program we have spread the *FIRST* message to Japan, Haiti, England, Mexico, and Australia. **497**

4. Describe examples of how your team members act as role models and inspire other *FIRST* team members to emulate

Our members inspire others to support our communities. Cate helps 100+ FRC teams including all Chinese rookies, is a representative for the LGBTQ+ of *FIRST*, and STEM leader for a chapter of National Organization for Women. Zena and Mena run a nonprofit for female

Muslim representation and were recognized among the “6 Most Impactful Young Muslim Women.” Mr. Cesiel mentors 2 teams in Detroit. Mrs. Alspach is a FIRST Championship Volunteer Coordinator and researches innovation for FIRST. **490**

5. Describe the team's initiatives to help start or form other FRC teams

We started Team 5436 by providing them with a build space, tools, supplies, and experience for their first 2 years. We continue to assist them through engineering and business workshops. We also helped start Teams 3478 in Mexico and 3096 in Detroit and continue to help them through mentoring helps and meetings. Additionally, we provided assistance to Japanese rookies 6909 and 7631 in the past two years through emails and live support via our Ambassador Program. **465**

6. Describe the team's initiatives to help start or form other *FIRST* teams (including Jr.FLL, FLL, & FTC)

By coordinating with FRC Teams 201 and 5436, we’ve been able to increase *FIRST* participation in Rochester from 200 to 300 students over the past five years, which includes starting 16 *FIRST* teams. In the past year, we’ve started 11 FLL Jr teams and 2 FLL teams. These and the surrounding programs have allowed us to nearly double students mentored by the AdamBots alone this year. To develop these teams, we fully fund all 15 teams at one school and have provided their build space in past years. **496**

7. Describe the team's initiatives on assisting other *FIRST* teams (including Jr.FLL, FLL, FTC, & FRC) with progressing through the *FIRST* program

We’ve helped develop FIRST in southeast Michigan by hosting Michigan’s first-ever FTC League Meet, and we also host a practice event for local FLL and FLL Jr teams. At Team 3617’s request, we created presentations for the UP Robotics Conference, covering business planning, Chairman’s, design, and programming. We extended sustainability support through our business planning workshop with Team 4384, three published resources, and team-to-team help. **451**

8. Describe how your team works with other *FIRST* teams to serve as mentors to younger or less experienced *FIRST* teams (includes Jr.FLL, FLL, FTC, & FRC teams)

Our 55 veteran students mentor younger students in STEM, including 1 FRC team, 4 FLL and 11 FLL Jr. teams. This means a total of 145 *FIRST* students are mentored by AdamBots veterans. We teach both technical skills and core values to inspire the youth to continue on the *FIRST* path. We host a weekly collaboration video call with 6 other FRC teams to share engineering and scouting strategies. Our rookie members volunteer at *FIRST* competitions, including 245's FTC event and 5436's FLL Jr. event. **496**

9. Describe your Corporate/University Sponsors

We have sustained sponsorships from R&G Drummer and corporate partners: GM, FCA, DoDSTEM, Magna, TEK PROS, and Valeo, as well as alumni families and the State of Michigan. Additionally, Rochester Community Schools, Rochester Advanced Dentistry, and local community members support our team's parking lot business. This year, we have built bonds with thyssenkrupp, JTEKT, Emagine Entertainment, NEMAK, Four Star Wire and Cable, and GKN Sinter Metals. **449**

10. Describe the strength of your partnership with your sponsors with special emphasis on the current season and the preceding two to five years

We have maintained a strong relationship with GM for the past 15 years. Our mentors received the Tom Stephens Award in 2016 and 2018 and we were recognized as the 2011 GM Team of the Year. We also demo our robot for GM at least twice a year, part of our minimum of 2 annual sponsor demos. In the past year, we've been featured in 2 company magazines and visited by 4 sponsors at competitions. Emagine Entertainment hosts our kickoff in their theatre and provides popcorn at our events. **485**

11. For *FIRST* Robotics Competition teams older than 5 years, briefly describe your team's broader impact from its inception

Since 1999, the AdamBots have been a consistent resource to the global community for developing the future minds of STEM. GM has asked us to help rookie teams in Mexico and Detroit, which we continue to support. Between workshops, phone calls, group chats, and resources, the *FIRST* community on every continent can rely on the AdamBots to share

engineering and business expertise. We've mentored hundreds of students and graduated over 180 alumni, all prepared to take on the challenges of tomorrow. **497**

12. Describe how your team would explain what *FIRST* is to someone who has never heard of it

FIRST is a program that inspires through mentorbased experimental STEAM education. Students from elementary to high school design and build robots that compete in a sportslike atmosphere, possibly leading to the World Championship. FIRST also teaches students other skills such as presentation, time management, Gracious Professionalism™, Coopertition™, teamwork, leadership, and problem solving. Most importantly, students apply their education in a real world setting while having fun.

FIRST aims to solve the cultural problem of students being more inspired to become entertainment stars than STEM leaders. For this, *FIRST* follows the sports model to motivate students, creating STEM competitions that excite them about changing the world. However, *FIRST* is not just about building robots. Its impact is much greater, developing future STEM professionals through mentor-based programs. The *FIRST* Robotics Competition is a sport—and the only sport where everyone can go pro. **488**

13. Briefly describe other matters of interest to the *FIRST* Judges, if any

The AdamBots are more than just a *FIRST* Robotics Team. Our core values, which have been present for several years, are instilled into every member of the team. They drive the team to be an active member in the community by helping with Relay for Life, the Rochester Neighborhood House, Toys for Tots, and many more. We are more than just a *FIRST* Robotics Team: we are volunteers; we are engineers; we are business leaders; we are inspirers; we are a family. **475**

14. Please provide a link to your team's video uploaded to youtube

15. 4 pictures

NEW PICS PLEASE

Add picture

(ambassador pic)









