

Focus on word choice- Growing and Expanding as a Role Model Team

Stats we need

- GPA for AdamBots vs. Adams GPA/ RCS GPA (state average)
- Update retention rate
- New calculated retention rate (Freshman member to senior graduation)
- Number of service hours (after Christmas)
- Number of Mentors/ Number of Mentors without children on the team

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

Experiencing all Team 245 and *FIRST* has to offer is life changing and presents an opportunity for students to grow through grades K-12. Our character, knowledge, and skills progress as we make friends, resulting in our 89% retention rate. We are immersed in a cause bigger than ourselves, teaching skills by partnering students with inspiring professionals, and guiding new members with our buddy system. Many AdamBots enter STEM fields and become influential members of society. **479**

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 show strong community influence via our participation in eight non-robotics related service projects. We've invited teams 201, 302, and 5436 to join us in several of these initiatives. Our largest is Greater Rochester's Relay For Life for which we are the top fundraising team, contributing \$93,000+ to date. Our mayor awarded us the Community First Award for our dedication, as we have served 2,250+ hours annually. This year, we also presented to our school board to advocate for *FIRST*. **494**

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

We spread STEM education via our Ambassador Program, in which AdamBots who travel abroad carry the *FIRST* message. This year, Ambassadors ventured to England, Haiti, Mexico, and Japan. We have six mentors on the school Career Technical Education board that have implemented robotics in the curriculum. In a local Christmas Parade, our robot and new mascot are seen by 80,000+ people. We developed and are selling a new custom card game, Robots: Build & Clash, to simulate a full competition season. **496**

Ambassador

- a. Locations and methods
- b. Japanese teams (5701, 6909, 7631)
 - i. Mechanical advice
 - ii. Chairman's and outreach advice
 - iii. Rookie team structure
- c. Impacts

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

We publish our resources on our award-winning website and at competitions, such as our business plan which has been used as a model for many teams. We teach students in every grade in our school district and mentor or assist teams in our community, state, and continent. The AdamBots are a supportive, spirited force at competitions, applauding all alliances, competitors, and award winners and helping other teams in the pits. With 80 students and 40 mentors, we have lots of *FIRST* spirit to share. **489**

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

In 2014, we created Team 5436 based out of our sister high school. They shared our build space, tools, supplies, and experience for their first two years, and they have now secured their own build space and doubled in membership. We continue to mentor them with business and engineering assistance and workshops, aiding their sustainability. In 2010, we helped form Team 3478, the LamBots, via daily calls and meetings. **483**

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

We provide resources, build space, and student and mentor assistance for two FLL teams. Our assistance enabled one of our FLL teams to win the Strategy & Innovation award at their last competition. Three years ago, we started and mentored several FLL Jr. teams, which have

become five BASES classes: after-school classes that introduce elementary school students to STEM concepts. The positive student-to-student interaction inspires kids to participate in *FIRST* programs down the road. **487**

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

With our guidance, the LamBots have become successful in *FIRST*. They've earned many culture-changing awards at the regional and championship level. We continue to mentor them and teams 3096, 5436, and 6121 through weekly video chats covering engineering, strategy, and scouting. Our work with the Cyber Cats has also been successful, illustrated by their 2015 Rookie All-Star and 2017 Engineering Inspiration Awards. We also provide programming support within our build space to our FLL teams. **493**

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)

We have started and/or mentored 18 *FIRST* teams with students of all ages. We teach the teams technical skills and motivate them to continue on their STEM journey. We mentor two FLL teams that design and build at our workspace, and due to our positive charge, they won the Gracious Professionalism® Award. Alumni and mentors go on to help other teams; two former mentors became the coaches of the Robo Vikes, Team 6121. **418**

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 demonstrate our robot at sponsor locations at least four times a year. We offer this opportunity to our sponsors, partners in our *FIRST* journey. This year, we met with the Emagine

chairman to learn about real-world business. Emagine hosted the 2018 kickoff in their theatre. To keep our sponsors engaged, we send out monthly newsletters and invite them to attend our annual Meet the AdamBots Day. Several alumni have received jobs and internships through our sponsors. **471**

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

When we began in 1999, we focused solely on building a robot. 20 years later, we build well-rounded members of a global STEAM community via our 52% member participation in the engineering *and* business aspects of our team. We consistently and proactively help teams at events and contribute thousands of service hours. Through this, we've earned 58 *FIRST* awards, including Regional Chairman's twice. We used to only build robots. Now, we build people. **449**

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

FIRST is a cultural phenomenon that harnesses teamwork and creativity to cultivate interest in STEM and business. Stressing *Coopertition*®, the game encourages teams to value both success and teamwork. *FIRST* allows us students to apply our education while having fun in a cause bigger than ourselves: global STEM inspiration. Unlike other programs that only simulate challenges, we create real-world solutions by communicating with our sponsors and utilizing the same resources professionals do. **494**

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

We're a year-round team, competing in off-season events. We're a top team of OCCRA, our county robotics program, as the most frequent Championship and Foundation winners (OCCRA's Chairman's Award). We value team bonding, so each year we have a day focused on advancing our culture. As an indication of the team's school stature, students can earn a robotics varsity letter and an honors cord. 20 of our 41 mentors don't have children on the team, illustrating their passion for the AdamBots. **495**

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

15. 4 pictures

Add picture

(ambassador pic)









