

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

Team 245's members strive to make the *FIRST* experience life changing. Our team, structured as a network of apprenticeships, teaches skills by partnering students with inspiring professionals. We use the *FIRST* game and team workshops to develop expertise in STEAM, *Gracious Professionalism*[™], *Coopertition*[™], safety, communication, and program management. Our 95% member retention rate evidences how our students realize their potential, and become members of a lifelong learning community. **488**

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

The AdamBots value good citizenship that extends beyond our high school. Our community influence is shown via our participation in eight non-robotics related projects. One is Greater Rochester's Relay For Life for which we are the top team fundraiser, having raised over \$80,000 to date. We contributed over 2,250 service hours this school year, which illustrates our dedication to the community. Our mayor awarded us the Community First Award in 2013, which has inspired us to continue giving back. **499**

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

We spread the *FIRST* message through our newsletters and social media platforms like Facebook, Twitter, Snapchat, Instagram, and YouTube. Our regular demonstrations of *FIRST* robots at science fairs and schools inspire interest in STEAM and in joining a *FIRST* team. Our open houses are used to spread the message to parents, school administrators, sponsors, and dignitaries. We join with two other FRC teams to showcase *FIRST* robotics in an annual Christmas parade, viewed by over 80,000 spectators. **497**

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

Last year, we created unique core values that are aligned with those of *FIRST*. This year our team emphasized incorporating them in the operation of our 14 subteams. The core values define the cultural framework of our team that emphasizes role-model behavior. As a result, we mentor or support teams in our community, state, and other countries. AdamBots also mentor students at every grade in our school district. Additionally, we openly share our knowledge and resources on our website. **488**

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

In 2014, we created Team 5436, the CyberCats, based out of our sister high school Stoney Creek. The CyberCats shared our build space, tools, supplies, and experience for their first two years. This past year, they have secured their own build space and doubled in membership size. We continue to provide them with business and engineering assistance and workshops, enabling their independence to ensure their stability long term, similar to how we helped form Team 3478, the LamBots, in 2012. **493**

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

We created one FLL team and support 3 VEX teams (formerly FTC). Aside from starting or forming teams, we believe sustaining them is equally important. *FIRST* inspired us to take initiative and create five BASES classes, after school classes that teach elementary school students STEAM concepts. The positive student-to-student interaction inspires kids to participate in *FIRST* programs down the road. We share this initiative with the CyberCats, who now mentor five schools that feed their team. **495**

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 have won Engineering Inspiration twice - once at World's. We continue to collaborate with them as well as with the East English Village Bulldogs, and recently team 6121 the Robo Vikes, through weekly video chats. Our work with the CyberCats has also been successful, illustrated by their 2015 Rookie All-Star Award from the Troy District. We also provide programming support within our build space to Team 8872, the RoboGeeks. **495**

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)

One of our key initiatives is to assist other teams, and we have started and/or mentored 13 *FIRST* teams with students of all age levels over the past several years. Not only do we teach the teams technical skills, but we also instill the values of *FIRST* within them. We invited the RoboGeeks to work alongside us at our workspace for their weekly robot practices, and they were later recognized at a 2015 Thunderquest tournament for their demonstration of *Gracious Professionalism*[™]. **487**

9. Describe your Corporate/University Sponsors

R&G Drummer and corporate sponsors; GM, FCA, DoDSTEM, ThyssenKrupp, Magna, TEK PROS, and Valeo, as well as alumni's families and the State of Michigan fund our team. Additionally, Rochester Community Schools, Rochester Advanced Dentistry, and the public support our team's parking lot business. **281**

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 strive to show our sponsors the impact of their contributions, and actively seek opportunities to interact with them. We demonstrated our robot at GM and FCA and displayed our robot for FCA's SAE program. To keep our sponsors engaged, we send out monthly newsletters during the *FIRST* season and invite them to attend our annual "Meet the AdamBots Day." Several of our alumni have received jobs and/or internships through our sponsors in part due to their involvement in *FIRST*. **481**

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 were focused solely on building a robot. Over the years, we've focused on inspiring others via STEAM. Each year, we mentor additional *FIRST* teams, gain sponsors and mentors, contribute more service hours, and continue to advance *FIRST* ideals. Our team has grown almost nine times in size, enabling us to create a year round program developing business and leadership skills. Through this, we've earned 52 *FIRST* awards, including a regional and district Chairman's award. **496**

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 mentor-based experimental STEAM education. Students from elementary to high school design and build robots that compete in a sports-like 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. **490**

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

We participate in the Oakland County Competitive Robotics Association (OCCRA) in the fall and have won the Foundation Award (OCCRA's Chairman's Award) numerous times. During the off-season, we participate in 4 *FIRST* events. For two years, we've had a team building event focused on our core values. Students earn a robotics varsity letter if they meet specific criteria. Our student-led team has more than one mentor for every two students, and 21 of our 40 mentors don't have children on the team. **496**

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

15. 4 pictures







