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

- EB grows students into leaders in their communities
- Our alumni stay involved with 1902 or become influences in FIRST
- 50% of current EB students participated in FLL/FTC in the previous years
- Problem-solving scenarios, teamwork, public speaking, a healthy academic environment & guidance from professional mentors directly correlate to 100% of all EB students moving on to a higher education
- FIRST inspires our students to spread STEM in the community through outreach (463)

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

- Enduring relationships with Orlando partners such as the Science Center, Library, Fair, Maker Faire & Kennedy Space Center & lasting impact on community
- EB has transformed our culture into one that appreciates STEM through summer camps, Spark, Dreamflight, Otronicon & FIRST events
- FIRST in FL, Blue Ribbon Showcase Award 2013-17
- EB helped the Central Florida Fair at the 2016 STEAM Pavilion, giving us the opportunity to promote FIRST teams
- 3,000+ hours at 100+ demos 2014-17 (480)

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

- EB is target marketing small businesses, tech startups & organizations such as Ed-Tech, Lady Developers & Orlando Tech Association
- We bring science experiments to outreach events to engage children & adults alike
- 1556 Facebook fans in 42 countries
- 2017 postcard campaign encouraged local businesses to learn more about EB & FIRST
- Spark spreads the message of FIRST internationally by laying the groundwork for future FIRST teams (458)

4) Describe examples of how your team members act as role models & inspire other FIRST team members to emulate

- Our FLAG campaign gives young girls positive role models in STEM fields to encourage them to pursue their interests
- At World Champs, Regionals, Offseasons & kickoffs, we host workshops in Robots, Awards, & NEMO to help other teams gain insight
- We mentor teams via social media & assist them in their outreach endeavors
- Veteran students lead new students on the team through structured subsystems & one-on-one mentoring
- EB volunteers at FLL & FLL Jr events (486)

5) Team's initiatives to help start or form other FIRST Robotics Competition teams

- EB focuses on helping other teams develop & remain sustainable in the FIRST community after their rookie year
- We mentor FRC 5412 from the Netherlands helping them overcome obstacles & achieve their goals of developing a stronger FIRST presence in Europe
- We also mentor team 6527 & assist 5926 & 6473, a local Boys & Girls Club rookie team
- We present 4-H as strong foundational partner to help teams form
- EB focuses on sustaining other FRC teams via our marketing workshop (470)

6) Describe the team's initiatives to help start or form other FIRST teams (including FIRST LEGO League Jr, FIRST LEGO League, & FIRST Tech Challenge)

- EB is working with Winter Park High School to start 2 FTC Teams this fall
- We are working with the Orlando Library to start an FLL Jr team
- UCF Teachers Demo shares FIRST program with teachers in training
- Utilizing team members' extensive knowledge with FLL & FLL Jr, EB increases new student, parent, & teacher interest in FIRST in our community
- Our annual STEM summer camps, at which FRC members guide campers in the creation of LEGO Mindstorm robots, result in new FLL members (479)

7) Describe the team's initiatives on assisting other FIRST teams (including FIRST LEGO League Jr, FIRST LEGO League, & FIRST Tech Challenge) with progressing through the FIRST program

- We keep younger students interested in FIRST by presenting our robot at FLL Jr, FLL & FTC competitions thus providing a view into the next level of FIRST
- Local FLL teams are invited to present their projects to our FRC team for practice
- As a result of our participation in the local FIRST community, almost 50% of our members progressed to FRC from other levels of FIRST
- We volunteer as judges & referees at FLL & FLL Jr events to inspire younger FIRST students to progress through FIRST (490)

8) Describe how your team works with other FIRST teams to serve as mentors to younger or less experienced FIRST teams (including FIRST LEGO League Jr, FIRST LEGO League, & FIRST Tech Challenge)

- Our marketing workshop has been presented 17 times to FIRST teams to help improve sustainability through fundraising & recruitment, leading us to team up with Behind the Lines, an FRC YouTube show
- Online library of resources, free for any team to access
- Five of our students mentor FLL teams
- Host online calls & interviews with FRC teams 2415, 4468 & 5926
- We hosted our largest kickoff ever, at which we ran a number of workshops that covered topics like chairman's, robot design & strategy (489)

9) Describe your Corporate/University Sponsors

- Lockheed Martin, Comcast NBCUniversal, BAE Systems, Disney Voluntears, NASA, Magnus Hi-Tech, Oakley Signs & Graphics, Castle Ventures, Cannon Law, State of Florida Grant, 4-H/University of Florida Funding, Intellectual Properties Law Firm, Stage & Equipment Lighting, Firehouse Subs, Elise Cronin-Hurley, Fluid Power Society, FACC, Host Inc, Zembowers Auto Repair, Unither Therapeutics
- We were awarded the UnitherFIRST grant for $6,000 due to our excellence in community outreach & imagery (490)

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

- We support our sponsors STEM advocacy efforts by demonstrating at company-sponsored events
- Recognize sponsors on our team shirts, robot, pit, website & sponsor dinner
- To thank our sponsors, we continually send updates & host an annual sponsor dinner
- Lockheed Martin has been supporting us for 12 years. We support them at events such as Otronicon & their FLL competitions
- Magnus Hi-Tech, one of our In-Kind sponsors, has donated powder-coated robot parts for 6 years
- (447)

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

- 12 Spark science kits in 8 countries & 10 more committed by June
- Awarded a $1000 grant for Spark in 2016 from St. Margaret Mary Catholic Church
- Alumni working at Lockheed, Microsoft, Siemens, Amazon Robotics, New York Times & Apple
- FLAG: shows young girls positive role models in STEM fields
- 11 FLAG videos and counting
- Passion for outreach with 3000+ hours & 100+ demos 2014-17
- Help other teams via workshops,video calls & online resources
- Hosted kickoff 21 teams 250 people (470)

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

- FIRST Robotics is the most unorthodox method of teaching a student how to make an impact in the world. Engineering principles are taught in a fun, time-intensive and creative way. Building a robot in 6 weeks is no easy task, but inspiring an entire generation of thinkers is exponentially more impactful. FIRST Robotics somehow manages to be different than any other program encouraging students to gain confidence to pursue any future profession with the support of a second family.
- FUN!!

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

- Partner with other teams internationally with FLAG videos and translation of Spark kits
- Strategic planning meetings sets goals for our team; this year we achieved our first practice robot
- EB creates an atmosphere where girls are encouraged & are active on all subteams shown through FLAG campaign
- Nearly a 30% girl to boy ratio
- Strong female role models through EB & in the community with a 50% female board Lady Developers & Girls Who Code partners (451)