

CAMDEN WILDBOTS

TEAM #3329

KINGSLAND, GA



2017 BUSINESS PLAN

“FUEL YOUR WILD SIDE”



LOCKHEED MARTIN



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1.0 Executive Summary

1.1 Mission Statement

“Our mission is to inspire new generations of STEAM-oriented students to pursue their imagination and work together with themselves, their mentors, and the community, and to teach the skills necessary to be successful in future careers.”

The engine of our team is to incite wonder and awe of technology while also teaching our students how to achieve these feats. We are bridging the gap between science and science-fiction through STEAM business and leadership skills such as Gracious Professionalism® and Coopertition® and design. All of these skills- Science, Technology, Engineering, Art, and Mathematics- are necessary in order to achieve success in the real world. Because we recognize this necessity, the focal point of our mission is to pass these skills on to our students.



2.0 About the Wild

2.1 Evolution

The Camden Wildbots were founded as The Thundercats in 2010 by Camden County High School engineering teacher Mr. Alfred Mercier. The team began as a small group of six students working in Mr. Mercier's lab-classroom. The following year, there was an influx of students and another mentor, Ms. Jacquelyn Davis, joined the team. In 2014, The Thundercats became the Camden Wildbots to represent our biggest sponsor, Camden County High School. As the years went by, the team evolved and flourished, going from underdogs to regional champions in 2016. The team still works in the original labs, but has now tripled in size and continues to grow in experience and members.



2.2 Pack Population



Our team currently consists of 25 members and 6 mentors. We are 56% boys and 44% girls. At our conception, we had 6 members and 1 mentor, progressing to 15 members the second year with 2 mentors. The 2015-2016 season had our greatest membership with 45. As the year progressed and our expenses increased, we increased our dues to accomadate the increase in expenses. Due to this, our member rate dropped 58% with this years active members being at 25.

2.3 Predatory Challenges

It is a jungle out there, but the Wildbots have persisted through it all. We have pushed off the foliage of under-funding, a lack of mentors and members to see the light of day. This year we are pressed again to fundraise and balance our budget as we go along the trail before us. No matter what, however, we will get the prey and bring home our trophy.

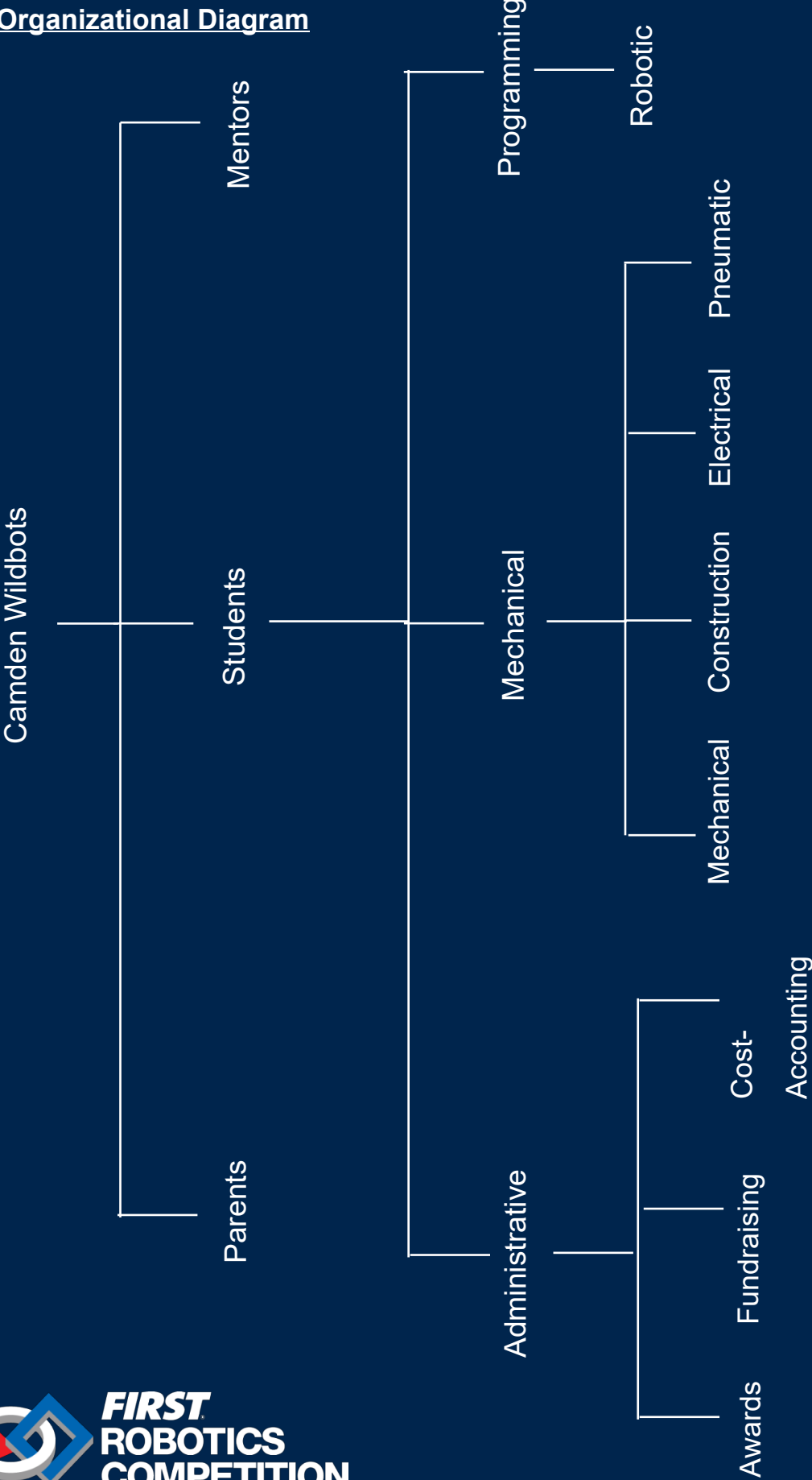


3.0 Team Taxonomy

3.1 Organizational Structure

- Kingdom = Whole Team
- Phylums = Students, Mentors, Parents
- Classes (Students) = *Subteams* Programming, Administrative, Mechanical
- Orders =
 - **Administrative** = All business-related aspects of the team
 - **Awards**: works on drafting, writing and uploading our awards and recruiting after awards are submitted
 - **Fundraising**: works on connecting with our community and local businesses to promote the message of FIRST while providing opportunities to raise money for the development of our team. They also keep close relationships with our sponsors and community service events.
 - **Cost-Accounting**: works on maintaining a bill of materials as we work on our robot and compiling a spreadsheet to calculate our team budget and how much we have already spent.
- **Programming** = All coding aspects of the team
- **Robotic**: works on programming the robots systems and forming an autonomous program for competition.
- **Mechanical** = All technical aspects of the team
 - **Construction**: works on building mock-ups of the field elements and prototyping the robot out of inexpensive materials.
 - **Electrical**: works on the wiring of the robot and driving controllers and ensuring that everything is connected.
 - **Mechanical**: works on the building of the robot through prototyping and assembling the final robot.
 - **Pneumatic**: works on all the pneumatic systems of the robot.

3.2 Organizational Diagram



4.0 Relationships

4.1 Pack

Our team is driven to discover their own abilities through working on projects and helping teach others. We travel to local schools to educate children about robotics and engineering.

We also have an “all-hands-on” policy, meaning that everyone will get a hand on the robot at some point. Everyone will feel that they have done something on the team and be inspired to continue to work through FIRST. We come together as a “Pack” and work with one another to give every task our best effort.



4.2 Mentors

We strive to ensure our mentors know we appreciate their time with us. They are parents, teachers, and former members who take the time to sit down with us and talk through the problems we face. We repay this generosity by lending them our ears, giving them the respect they deserve, and recognizing them in different way sto let them know they are appreciated.



Even though mentors are professionals in their respective fields, they still learn from working on our team. We engage all six mentors in everything we do and keep them working on multiple disciplines, so they get to learn along with our students and they keep coming back for more.

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4.3 Sponsors/Community

It is our duty to give back to our supporting community. We can be seen throughout the county visiting elementary and middle schools, the public library, or in parades, talking about FIRST and showing people our skills in action along with our principles in practice.



5.0 Resource Deployment

Being nestled in a small town in southeastern Georgia, does not stop our team from using all of our available resources to spread our message throughout the community around us. With our involvement in the many schools within our county, we are pushing the combined values of FIRST and Camden Wildbots to help young and old minds alike to appreciate Science, Technology, Engineering, Art, and Mathematics through Gracious Professionalism and Coopertition.

Through our efforts, we have taught our future students that robotics is not science fiction, but something they can do with everyday objects such as LEGOs! They can build and program their own robot using LEGOs and LEGO Mindstorm to make their science fiction a reality.

We invest in our team most of all. We Wildbots ensure that we are up-to-date with the newest versions of AutoDesk and keep up with current technology and programming. The team gets to work with programs and learn skills that they will use in their careers, making their dedication worth the effort while also allowing many brilliant students to come together in one room and work together and build relationships. The FIRST experience is prevalent.



6.0 Future Plans

Our primary goal is to increase member recruitment. Next year, we will be adding a new “Recruitment and Marketing” sub-team to work on branding our team into a professional business and growing our “Pack Population”. We will field these members from Business Technology classes at our school to let them apply the skills they learn in class to real-life situations in our classroom. These students will then create brand standards- designs on how to portray our team to the public- and improve the advertisement of our team and the recruitment of new members. This shows not just potential recruits that we know what we are doing, but also tells the community that we are a professional organization.

Starting after this build season, all members not active in any duties are researching, writing, and applying for any grants possible and talking to local businesses and organizations to increase our team’s resources. Increasing funding would mean we are able to better communicate our directives to our community.

We are also going to initiate negotiations with nearby robotics teams in Jacksonville, FL, and Savannah, GA, to plan future meetings and practice sessions along with a possible brainstorm session for kickoff next year. we would also like to implement an off-season event of our own, but would need several months to plan venues and participants and browse the field for willing teams.

Our plans for the summer are to get the team together to volunteer for the Salvation Army and Habitat for Humanity to show the public how engineering skills can be used in any environment for the betterment of the world. This, however, does not satisfy our want to help the community and we will continue to search and plan more opportunities for our team to apply our FIRST principles.

7.0 Financial Statement

7.1 Statement Break-down

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Camden County BOE
Activity by Location: 12/01/2016-12/31/2016

Location: CCHS
Activity: ROBOTICS CLUB

Beginning Balance 3,260.00

Disbursements
SUPP - DUES & FEES -3,000.00 -3,000.00
Total Disbursements

Receipts
REV - CLUB DUES & FEES 400.00
REV - CLUB DUES & FEES 180.00
REV - DONATIONS 1,100.00 1,680.00
Total Receipts

Ending Balance 1,940.00

** END OF REPORT - Generated by Connie Foster **

Beginning Balance		\$3,260.00
Disbursements	SUPP-Dues&Fees- -\$3,000.00	
Total Disbursements		-\$3,000.00
Reciepts	REV CLUB Dues&Fees: \$400.00 REV CLUB Dues&Fees-\$180.00 REV-Donations- \$1,100.00	
Total Reciepts		\$1,680.00
Ending Balance		\$1,940.00

8.0 Risk Analysis

8.1 SWOT Analysis

	Helpful	Harmful
Internal (within our team)	<u>Strengths</u> <ul style="list-style-type: none">• Work as a team• Members can work independently• Respect mentors• Cooperation• Supportive	<u>Weaknesses</u> <ul style="list-style-type: none">• Communication• Expensive Dues• Not enough sponsors• Small Pack Population
External (outside our team)	<u>Opportunities</u> <ul style="list-style-type: none">• Unique social group (“Pack”)• “All-hands-on”• Educational support• Career skills	<u>Threats</u> <ul style="list-style-type: none">• Member decrease• Funding cuts• Failure to perform

We recognize our team as far from perfect, all of us are human- except the Wildbot! In order to make our team better, however, we have identified many of our strengths and weaknesses and continue to keep a running forum and group messaging for our members to express any discomfort or to say what they think about our team. Transparency and honesty are key elements to our success as a team as all members are considered as different individuals coming to a compromise to achieve a common goal.

CAMDEN WILDBOTS BUSINESS PLAN: FUEL YOUR WILD SIDE

Camden Wildbots #3329 work for a different kind of recognition. We want to be recognized as an organization of highly gifted students who came together to make a difference in the world around them. We strive to be the best we can be and are setting our claws in the ground to pounce on the competition. Through everything we do, we will reach our goal, we will get our prey. Join us in our efforts and fuel *your* wild side.

