

FRC Team 1967 Business Plan 2017



Table of Contents

Executive Summary	4
Introduction	4
Mission Statement	4
Team Goals	4
About Us	5
FIRST and FRC	5
Notre Dame High School	5
The Team	5
Team History	6
SWOT Analysis	8
Community Impact	9
Impact on our School	9
Spotlight Week	9
Boot Camp	9
STEAM Camp	9
Hour of Code	9
School Departments	9
Impact on the Community	9
Toys for Tots	9
Bring Your Kid to Work Day	10
LEAD Program	10
Young Women’s Engineering Symposium	10
Demonstrating the Robot	10
FIRST Outreach	10
FIRST Lego League (FLL) Team	10
FIRST Lego League (FLL) Tournament	10
FIRST Tech Challenge (FTC) Team	11
Team Social	11
Team Structure	12
Team Leadership	12
Student Leaders	12
Committees	13
Mechanical	13
Programming	13
Electronics & Pneumatics	13
Business	14

Financial Plan	15
Support	16
Sponsors	16
Why Support Us?	16
Ways to Support Us	16
Sponsor Benefits	17
Wishlist	18
Contact Information & Social Media	19

Executive Summary

Introduction

We are an all-girls robotics team from Notre Dame High School San Jose, known officially as Team 1967, the Janksters. Our team was founded in 2006 by a group of hard-working and dedicated students. Since then, our team has grown from seven students working in the school garage to a team of 60 students, supported by two dozen mentors. Through each season we participate in, the team grows as each individual student learns values that will stick with them long beyond their four years of high school.

Mission Statement

Our mission is to create a community where students can explore STEM (Science, Technology, Engineering, and Mathematics) through robotics. Our primary goals are for students to:

- Learn from professionals in the field while working as a team towards common goals,
- Develop a sustainable program from which students can grow soft and technical skills,
- Build a robot to compete in the FIRST Robotics Competition, and
- Reach out to the community and inspire young women to pursue STEM.

St. Julie Billiart, the foundress of the Sisters of Notre Dame de Namur, once said, “Teach them what they need to know for life.” The Janksters enforce this concept, fostering teamwork, leadership, and service through “hands on” experience on the team as they learn and grow, leaving the students with skills for college and the workplace after high school. The team strives to maintain an attitude of Gracious Professionalism[®] and maintain a “Janky” team spirit as they put their best effort into building a robot.

Team Goals

In the summer of 2015 Team 1967’s student leaders gathered to create a Strategic Vision for the team. The Strategic Vision outlined six goals we aim to accomplish within the next five years:

- Grow the team’s technical competence to build competitive robots,
- Support students’ individual problem solving and resilience along their paths to college
- Foster alumnae support and engagement with our team to create lifelong networks
- Create signature outreach events for community growth
- Bring STEM opportunities to underrepresented communities by supporting FLL teams
- Create a model program of innovation outreach as outlined for the FIRST Chairman’s Award

To reach these goals, we have created five milestones to complete by the end of the 2017 Season:

- Start a sustainable FLL team in a community with low college participation
- Make it to the eliminations at least once each year
- Initiate two original outreach events to encourage STEM growth in marginalized areas
- Create a network with 60% of FIRST team alumnae
- Build and implement a four-year curriculum outlining students’ growth in technical and soft skills, including innovation and confidence

About Us

FIRST and FRC

FIRST (For Inspiration and Recognition of Science and Technology) is a program designed to spark excitement and interest in science and technology among youth from grades K-12. Faced with a new challenge each year, students grow into critical thinkers, creative innovators, and strong team players, as well as develop skills in the science and engineering fields. FIRST's goal is not simply for participants to learn what it takes to build a successful robot, but to also reflect values such as Gracious Professionalism[®] and Coopertition[®] (the concept that teams should help and cooperate with each other even while competing).

Founded in 1989 by renowned inventor and advocate for science and technology Dean Kamen, FIRST has a "family of programs" to reach a broad audience of students, schools, potential mentors, and sponsors. The FIRST LEGO League, made up of FLL for grades 4-8 and Junior FLL for grades K-3, introduces students to the world of robotics with LEGO components. In the FIRST Tech Challenge (FTC), for students grades 6-12, teams actively build robots using the LEGO NXT brain and metal parts.

The FIRST Robotics Competition (FRC), for high school students, is the most rigorous and intricate FIRST program. Tens of thousands of students from 12 different countries participate as a part of over 5,000 teams. Teams are given 6 weeks to design and build a robot from scratch, using only the new game concept for that year and a Kit of Parts (composed of, on average, 600 pieces). Similar to real world engineering, limitations on materials, budgeting, and robot parameters challenge teams to be more strategic when prototyping and constructing.

For more information about FIRST and its different programs, please visit www.firstinspires.org.

Notre Dame High School

Notre Dame High School was established in 1851 by the Sisters of Notre Dame de Namur, who were founded by St. Julie Billiart. The Sisters of Notre Dame de Namur came to California in 1851 to institute a school for girls in San Jose. The Sisters of Notre Dame de Namur value seven hallmarks, such as educating students on peace and social justice, creating and serving a strong community, and embracing diversity. As we grow as a connected team, our values are consistently rooted in the hallmarks of Notre Dame.

Included in Notre Dame's mission statement is "teach students what they need to know for life." Notre Dame's philosophy is reflected in our team, as we develop an active learning community where students can learn and grow together as a cooperative team. Teamwork and the appreciation of every effort are two of the most important values we uphold. We believe that in order to be successful, each student must put hard work and dedication into robotics—learning that it is not just about the end result, but also a journey that we embark on together as students.

For more information about Notre Dame High School and its mission, please visit www.ndsj.org.

The Team

The Notre Dame robotics team has been participating in FRC since the 2006 Season, and we are proud to have had our 10 year anniversary in 2016. The team started as a small group of strong-willed and determined students, guided by a science teacher Ms. Roxanne Lanzlot in the school garage. Since then,

our team goal has remained a student-run team creating a student-built robot as well as keeping a spirit of Gracious Professionalism®. So far, we have accomplished this goal and intend on continuing to do so. We also pride ourselves as being an all-girls team, and hope to exemplify the spirit of our school and the representation of women in the fields of robotics, technology, and engineering.

Currently, our team has grown to include 59 members and 13 mentors—6 of whom are alumnae. Of our 57 members, 12 are seniors, 14 are juniors, 12 are sophomores, and 19 are freshmen. The current coach, Marta Carrillo, manages the team. Our mentors have strong backgrounds in FIRST Robotics or in their field, and are often professionals in robotics, engineering, marketing, leadership, or project organization. Our mentors work alongside the students, teaching them concepts that will help them in putting the robot together, all while maintaining a distance so students can learn from their mistakes.

Team History

Our team has grown and developed tremendously since our first year of competition. Each season has brought new challenges, new insights, and new meaning to what being a Jankster is all about. All the hardships we have faced have helped us realize our goals and ambitions, as well as help us gain the strength needed to overcome these challenges. Our team has truly been through a roller coaster ride over the years—one that has helped us mature and gain new perspectives—and we will continue to embrace the new challenges and possibilities in the years to come.



The Janksters were founded in **2006** when seven dedicated students and Ms. Lanzlot took the first steps to begin a robotics team by using the tiny garage space offered by the school to piece together a robot using their limited resources and sponsorship funds, zip ties, rubber bands, and lots and lots of duct tape. The team strove into the **2007** season, learning more about what to anticipate while building the robot, after facing difficulties losing weight to fit within the rule parameters. In **2008**, the Janksters took on the red and black team colors as well as a deck of cards theme. The team won its first award, the Chrysler Team Spirit Award, at the **2009** Silicon Valley Regional, having shown extraordinary enthusiasm and spirit through exceptional partnership, teamwork, and the ability to overcome obstacles during the competition.

In **2010**, the Janksters were able to score points in autonomous mode (the first part of the match where the robot functions solely on pre-programmed code) for the first time. Additionally, the team competed in two regionals, allowing the students to learn from past mistakes and giving them the chance to advance to the playoffs for the first time. The Janksters were also able to expand their outreach program, demonstrating the robot at the San Jose Children's Discovery Museum. The team continued advancing its technical skills and outreach program in **2011**. At the off-season CalGames tournament, our team was the sixth-highest seed and captained the fifth place alliance, boosting our confidence as a competitive team. In addition, the team hosted their first Robot Reveal Night, inviting parents and mentors to a dinner during

which we revealed our final robot before shipping it to the competition, and our first Team Social, bonding with three other FIRST teams after the Silicon Valley Regional.

The Janksters kicked off 2012 by modeling our entire robot on CAD (Computer Aided Design) before building it, causing huge time delays to the building process while allowing us to troubleshoot spacing problems before fabrication. Our Robot Reveal Night expanded to include faculty members, spreading FIRST within our school community, and we incorporated our Janky theme into our competition pit and promotional materials, creating a more unified team image. In 2013, the students' hard work and gradual growth paid off as the team won the Silicon Valley Regional and advanced to World Champs. The 2014 Season presented itself with many opportunities as well as challenges. Having lost 13 seniors, the team only had 6 veteran students to recruit and mentor the incoming group of rookies. To increase recruitment, the Janksters launched their first Boot Camp, exposing interested students to the technical world and recruiting 17 new students. The team continued to research ways to create a more sustainable program in 2015 as we celebrated our 10th year as a team. The team consisted of 39 members, which gave our team the opportunity to try out more ideas and gradually increase our technical capabilities and outreach programs. We hosted our first Young Women's Engineering Symposium (YWES), giving high school students interested in STEM the opportunity to meet with female engineers.

The team began the 2016 Season by creating a Strategic Vision, refining the team's mission statement and goals. With renewed focus, the team built our most technically advanced robot and improved our media and communications plan. The Janksters' hard work was recognized as we received the Industrial Safety Award, Imagery Award at Central Valley Regional, Chrysler Spirit Award at Silicon Valley Regional, and a Dean's List Finalist. We continue to focus on implementing our Strategic Vision as we enter the 2017 season. The team began drafting a Team Curriculum over the summer and launched an FLL team at St. Martin's of Tours. We won our off-season competition, CalGames, as well as received a Systems Design Award and Mentor Award. We look forward to continuing to advance our program this season.

SWOT Analysis

Strengths	Weaknesses
<ul style="list-style-type: none"> ♣ Our team is primarily student-run, allowing students to grow as leaders and develop skills in a variety of fields. ♣ Our team's mission statement is aligned with Notre Dame's vision and mission, which encourages strong school support for our team. ♣ Our team puts a bigger focus on the process that goes into building the robot than on the end product. We learn by making mistakes, and all those experiences become pivotal to our learning as individuals and as a team. ♣ Since our team embraces a variety of talents, each student contributes something vital to the team. ♣ Our team bonds throughout the school year, forging a sisterhood that extends to networking in college and beyond. 	<ul style="list-style-type: none"> ♣ Our school encourages students to explore different options, but that means most students are not 100% participants in robotics, leaving gaps in some students' knowledge regarding the robot. ♣ Our team does not have a learning curriculum that shows the full progress and growth of each robotics student from the first year they join the team to the year they graduate. ♣ While our team strives to increase the number of women in STEM, our team still lacks professional female mentors (who are not returning alumnae of the school). ♣ Our team does not have a consistent set of sponsors. ♣ Our team is limited in lab/work space, using a few classrooms to do our work.
Opportunities	Threats
<ul style="list-style-type: none"> ♥ As an all-girls team, the Janksters have the opportunity to role model and mentor other all-girls teams. ♥ We have the opportunity to meet and interact with professional female engineers. ♥ As our team grows rapidly grows in size, we are challenged to adjust to such a large team, when our team had always remained small. This gives us the opportunity to try new activities and understand how to be flexible to changes in the team every year. 	<ul style="list-style-type: none"> ◆ Loss of sponsorship: we would not have the sufficient funding needed to build our robot. ◆ Losing our coach and mentors: robotics requires a lot of time and dedication from students, as well as the team coach and mentors. If we lost them, it would be hard to find new mentors that are willing to dedicate as much time as our current mentors do. ◆ Loss of student interest: as our school increases STEM awareness, there are more opportunities for students in other clubs instead of Robotics.

Community Impact

Impact on our School

Spotlight Week

The school allots each club one week to showcase what they are about. Our team uses this week to host school-wide activities during lunch, including having guest speakers come over (including professional engineers and Jankster alumnae), as well as giving students not involved in robotics the opportunity to work with new devices and learn about many of the dances that are part of the competition experience. We conclude this with inviting the school to attend a local off-season competition, CalGames.

Outcome: Students and faculty are more engaged with robotics and as measured by the principal, teachers, and peers supporting us at competition.

Boot Camp

Our team began boot camp in 2013 with two main goals. One is to help students see that there are numerous ways to get involved with robotics. The second is to expose students to using tools, programming, driving the robot, and marketing. Students start with no experience, but learn various skill sets with the help of supportive and encouraging veteran students. By the end, every girl is able to use a drill, CAD something of their own, create simple circuits, program, and drive our robot.

Outcome: 85% of the students who participate in Boot Camp join the Robotics Team.

STEAM Camp

The team helps host activities during Notre Dame's STEAM camp over the summer break. In previous years, we split the students participating into several groups and lead them in assembling small VEX robots.

Outcome: Girls who participate in the camp are more interested in robotics and in joining our team.

Outcome: More girls per summer, 200 since we started, are exposed to STEAM and more thoroughly understand the applications of math and science outside of the classroom.

Hour of Code

Our robotics team helps teach and work with the school while they allow students to participate in the annual Hour of Code, an hour in which all are invited to code using interactive and simple softwares.

Outcome: 700 students and faculty at our school are exposed each year to programming.

School Departments

Over the years, the Janksters have tried to collaborate with the different school departments, spreading our robotics influence. For past theater productions and Spirit Weeks, the team has built multiple confetti shooters. The team has also been a key supporter for the creation of an Introduction to Engineering class, which was eventually created in 2015 and has so far taught 60 Notre Dame students.

Outcome: The school is more engaged with our robotics team, the numerous leadership opportunities we provide, and the business projects we do.

Impact on the Community

Toys for Tots

30 team members volunteer annually at our local Toys for Tots event. Some students work retrieving toys for the children, while others do interactive and artistic activities with them.

Outcome: Hundreds of low-income families have more fun during the Christmas season with less stress, and team members are able to share the holiday spirit with other robotics teams and little children.

Bring Your Kid to Work Day

Since the summer of 2014, our team has demonstrated our robot at Intel's Bring Your Kid to Work Day, interacting with an average of 100 children. We allow the children to drive our robot around and talk to older kids and adults about FRC and what we do as a part of it.

Outcome: Spread the importance of STEM and FIRST's messages to children and Intel.

LEAD Program

Each year, Notre Dame selects 40 to 50 seventh graders to participate in their LEAD (Lead, Empower, Act, Discover) program. Our team is one of the 12 workshops that they can attend. During their time with us, they are able to learn more about robotics and the different committees. Currently, 3 students from the four years of LEAD have joined our team.

Outcome: Our team is able to help develop the NDSJ students' leadership skills by teaching them about robotics, communication, and collaboration.

Young Women's Engineering Symposium

Starting in 2014, our robotics team developed a symposium to grow interest in STEM and FIRST open to all high school girls. This original and innovative program content was developed by the Janksters, embodying our "Janky spirit" as we have defined (fun and tech) and meets all the criteria of FIRST - innovation and driving interest in FIRST and STEM. The symposium consists of professional female engineers giving presentations during a fun and engaging workshop, (the outline developed by the Janksters to assure uniformity and relevance to the audience) and engaging with small groups of girls on their personal experiences.

Outcome: Since its inception, the YWES has exposed 200 girls to inspirational presentations on STEM careers and FIRST robotics. In 2016 alone, the program inspired over 100 young women. Since 2015, the program has gained so much popularity, it is full subscribed and we cannot accommodate all the interest.

Demonstrating the Robot

Our team demonstrates our robot at approximately 12 places every year, including the locations of our sponsors, schools, and summer camps that reach out to us. Over the years, we have demonstrated our robot at Intuitive Surgical, Maker Faire, Intel, and Lowell Elementary School, putting FIRST and our team before large crowds at Maker Faire and Key influencers like Intel, who donate to our team.

Outcome: Young students are exposed to robotics and the practical applications of STEM.

FIRST Outreach

FIRST Lego League (FLL) Team

In 2016, our team launched and supported an FLL team at St. Martin of Tours. Several students meet with the team on a regular basis throughout the summer and school year to prep the team for the pre-season and to use the time following the competition to continue exploring how to use various sensors and manipulate the robot mechanisms and code.

Outcome: Seven middle school students—four of which are girls—explored robotics and FIRST even if they were not originally interested in it. These young people were not likely to attend higher education in STEM but are now significantly likely to make this a choice.

FIRST Lego League (FLL) Tournament

Every year for the last three years, our team has volunteered at Intel's annual FLL Tournament. During the event, we sell snacks and lunches to the participating teams, raising \$700 for our team. We build the

competition tables, prepare models used in matches, and set up and clean up the event. Additionally, we set up our robot and teach the attendees to drive it.

Outcome: This event serves as an opportunity to fundraise for the team, as well as allow hundreds of kids each year participating in FLL to deepen their interests in STEM by experiencing the different activities we have developed and by being immersed in what is required for the next level of FIRST.

FIRST Tech Challenge (FTC) Team

In 2014, we helped to establish FTC Team 7593 the Tigerbots at Notre Dame Belmont.

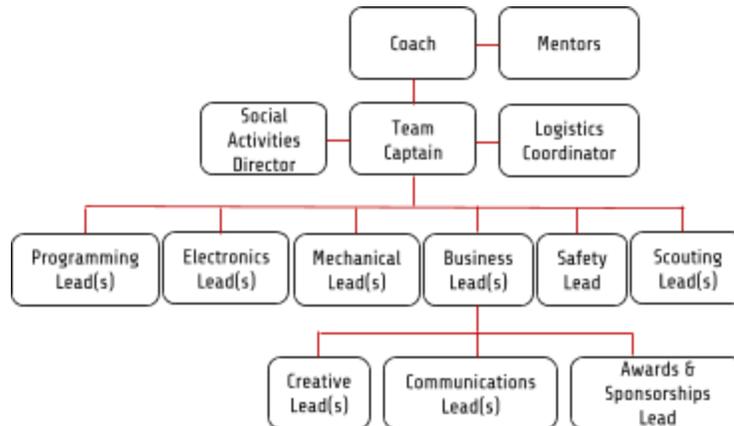
Outcome: Students from Notre Dame Belmont are able to solve difficult technical problems with creative solutions as a team.

Team Social

On the second day of the Silicon Valley Regional, our team invites a few other teams to Notre Dame to join us for dinner. We also dance to a variety of classic FIRST competition songs, as well as be able to socialize with a variety of local and international teams.

Outcome: Our team is able to expand our circle of FRC friends beyond local teams.

Team Structure



Team Leadership

Team 1967 is managed by Marta Carrillo, who was first introduced to the team nine years ago, the same year her daughter joined as a freshman. This is her fifth year working as the team's coach, and she is still just as excited to be a big part of the team as she was when she started off. In addition, Marta has the help of 20 mentors with a combined FIRST mentoring experience of 43 years. These mentors advise and help the team in all areas, including teaching students numerous ways to put the robot together, different components used on the robot, CAD, programming, business, as well as course options in college and possible career choices.

Student Leaders

The Janksters are a student-run team with fifteen student leaders. At the end of each year, students who wish to step up into leadership roles are elected by their peers into the position of their choice. The team is split into four committees, each headed by at least one committee leader. Their main responsibility is to make sure any needs of their committees are met throughout the school year, as well as assign tasks to committee members during the build season. The entire team is managed by three elected core student leaders, who coordinate with the team coach and mentors to come up with agendas and activities that will help the team grow. The entire leadership team works together to ensure deadlines are met and the team keeps its spirits up.

The **Team Captain** serves as the build season project manager and represents the team. She organizes all committees, coordinates tasks, writes agendas, leads meetings, and is the go-to person for any questions or jobs throughout the entire season.

The **Social Activities Director** maintains the public face of the team. She coordinates special events for the team, such as the team Scavenger Hunt. She also organizes guest speakers that come and speak to the team and school. In addition, she makes sure our sponsors are kept always well informed on what is going on with our team. In order to create friendships that last longer beyond the team, she is also in charge of team bonding events.

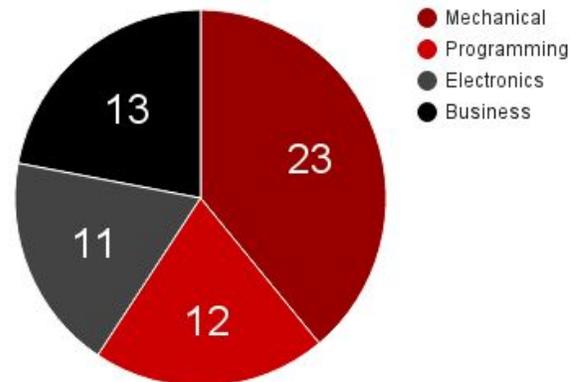
The **Team Logistics Coordinator** documents everything and makes sure robot finances are well managed. She is also in charge of team signups, an updated team roster, permission slips, notes, and resource coordination for each committee.

Committees

The team is divided into four committees: mechanical, programming, electronics & pneumatics, and business. Each committee is responsible for a certain aspect of the robot, whether it be building it or promoting it once it's built. Students pick which committee they will be a part of prior to the start of the build season so they have enough time for training.

During the build season, committee heads must keep in good communication to prevent technical conflicts. They are responsible for ensuring their whole committee is up-to-date on the robot, as well as making sure build season flows smoothly.

Total Students



Mechanical

The mechanical committee is in charge of designing and building the entire physical robot. Most years, the committee is split up into sub-groups. The chassis sub-group builds the robot base and drive train. Game-component builds the mechanisms to score points. The "many projects" sub-group constructs parts of the field for drive practice. Students that are a part of this committee learn about CAD, motors, gear ratios, physics, machine operation, prototyping, and how to use a variety of tools. The mechanical committee models the entire robot on CAD. The local TechShop sponsors memberships for the team, so the committee is able to learn how to use more advanced machines. In 2014, we acquired a 3D printer from one of our sponsors. With the help of CAD, the new 3D printer, and the tools available to us at the TechShop, our team has been able to customize pieces for our robot which save space and make its performance more consistent.

Programming

The programming committee is responsible for coding the entire robot. Members use the C++ language to write commands that will control the functions of all the robot parts. The programming of the robot is seen significantly during the autonomous portion of the competition, which requires the robot to move solely on pre-programmed code without driver assistance. Our programmers also code the Xbox controllers and joysticks we use to control the robot during the teleoperated period, the time in which the drivers must manually control the robot. Students in this committee use both critical thinking and logic to write efficient code that will control the robot. They spend much of their time debugging their code, as well as troubleshooting technical issues and understanding the robot with other committees.

Electronics & Pneumatics

The electronics committee is in charge of wiring the entire robot together using electrical and wired components. Members model the entire placement of electrical parts on CAD. Using the TechShop, students are able to cut the electronics board out using tools such as a laser cutter. The electronics committee helps ensure that the code written by the programming committee reaches the mechanical parts of the robot. In addition to electrical wiring, the committee is in charge of pneumatics, which involves the usage of air to power mechanical components such as pistons. Students in the electronics committee develop important skills in critical thinking and collaborating, especially when they must discuss the spacing of the robot with

the mechanical committee They also work significantly with the programming committee to troubleshoot hardware problems that can cause the code not to function properly.

Business

The business committee is in charge of promoting the team, applying for awards, updating social media, photographing the team, and running the team website. Members are also in charge of designing team t-shirts, buttons, earrings, bows, promotional materials, pamphlets, buttons, and robot info cards. Business helps with pit decoration at competition, including a display of our team logo alongside the logos of our sponsors. Students in the business committee learn how to be creative when coming up with promotional ideas and design layouts. They work with tools like Adobe Illustrator, Adobe Photoshop, Adobe InDesign, and WordPress while expanding on their talents in art, writing, and graphic design. This allows students interested in art and writing to contribute to the team in a big way.

Financial Plan

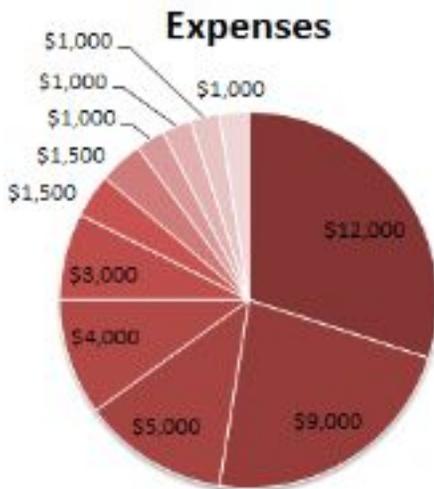
Estimated Revenue

Revenue	Contributors
\$17,000	Notre Dame High School
\$7,000	Student Fees
\$5,000	Apple, Inc.
\$5,000	Intel
\$2,500	BAE Systems
\$2,000	Brin Wojcicki Foundation
\$1,500	Qualcomm
\$1,000	Intuitive Surgical
\$1,000	Kirkland
\$1,000	Bishop-Wisecarver
Total Revenue: \$40,000	



Estimated Expenses

Expense	Category
\$12,000	Robot Parts, Inventory, & Tools
\$9,000	Travel
\$5,000	Silicon Valley Regional
\$4,000	Ventura Regional
\$3,000	Equipment Upgrades & Replacements
\$1,500	Marketing & Business
\$1,500	Food
\$1,000	Outreach Events
\$1,000	T-Shirts
\$1,000	Classes & Workshops
\$1,000	Recognition & Mentor Thanks
Total Expenses: \$42,000	



Support

Sponsors

Robotics is a large program that requires lots of funding and sponsor support. In order to receive that, our team reaches out to potential sponsors, like Notre Dame High School, FIRST, Intuitive Surgical, Qualcomm, SolidWorks, NVIDIA, TechShop, and BAE Systems. In return, each of our sponsors receives newsletters produced by team members with updates of team progress, as well as having their logo displayed on our robot, website, and team shirts as a show of appreciation for their support.

Why Support Us?

Our robotics team reaches out to young people in the community and allows them to experience real world engineering and business. We are unique in that we are an all girls team in a sport and a vocation that is dominated by men, as noted in our difficulty in obtaining female mentors, even in Silicon Valley. Our school is located in an Urban setting which gives us a unique Point of View of how important FIRST is to the community around us. We want to be able to spread FIRST to all the middle schools near our campus. Robotics allows girls who might not only not be interested in STEM but also be averse to STEM to apply textbook concepts from class and see them come to life in the form of a life-size robot and build their passion for STEM. Throughout the process we hit obstacles which require us to work together in order to properly overcome. Many of these problems are similar to those that professionals encounter in their careers, which our mentors can attest to. Robotics builds business skills, people skills, and leadership skills as team members work together and function as a unit to produce a product and a business plan.

One of the Janksters' main goals is to promote STEM for women, as we understand that there are statistically fewer female engineers. Our team focuses on reaching out to girls and encouraging them to give pursue STEM through workshops and demonstrations of our robot and team. Being an all-girls team, we are able to become an inspiration for young women in our local and extended community not just as engineers, but as leaders and friends.

Ways to Support Us

There are numerous ways to help support the Janksters. We are always grateful for monetary donations, which help fund new projects and allow us to pursue more outreach ideas. We are also thankful for food donations, which is imperative to keep the team well fueled and efficient while working. If a store sells merchandise our team could use, discounted prices are also helpful since it allows us to cut back on spending and use those resources elsewhere. In addition, we have a Wishlist of desired items that will help the team grow and develop (as well as work faster).

Sponsor Benefits

Donation	Level	Benefits
\$5,000+	Ace of Spades	<ul style="list-style-type: none"> ♠ Company name on robot ♠ Company logo on competition t-shirt ♠ Company logo on team banner ♠ Website link to sponsors ♠ VIP invitation to robotics events ♠ Visit from Janksters and robot to worksite ♠ Display of company banner at team events
\$3,000 - \$4,999	King of Clubs	<ul style="list-style-type: none"> ♣ Company Name on robot ♣ Company logo on competition t-shirt ♣ Company logo on team banner ♣ Website link to sponsors ♣ VIP invitation to robotics events
\$1,000 - \$2,999	Queen of Hearts	<ul style="list-style-type: none"> ♥ Company Name on robot ♥ Company logo on competition t-shirt ♥ Company logo on team banner ♥ Website link to sponsors
\$500 - \$999	Jack of Diamonds	<ul style="list-style-type: none"> ♦ Company Name on robot ♦ Company logo on competition t-shirt ♦ Company logo on team banner

Wishlist

Donation	Expense (each)	Amount Needed
Gift cards (Jo-Ann, Michaels, OfficeMax, Home Depot, Tap Plastics, Fry's Electronics)	Any amount	
Shaft collars	\$3	20 per year
Hex bearings	\$6	30 per year
De-soldering tool	\$8	2 total
Magnifying lamp	\$15	
Encoder	\$42	
3D printer filament	\$50	
Voltage Regulator Module (VRM)	\$50	1 per year
Pneumatics manifold	\$60	1-2 per year
Compressor	\$70	1 per year
Graphic tablet	\$80	
Pneumatics Control Module (PCM)	\$80	1 per year
Talon SRX	\$90	8-10 per year
Robot WiFi router	\$100	1 per year
Numbered cobalt drill set	\$120	
Cordless drill	\$150	
Battery charger	\$150	
Power Distribution Panel (PDP)	\$200	1 per year
Rolling toolbox	\$350	
RoboRIO	\$450	1 per year
Grizzly drill press with cross slide table	\$1,500	
CNC router	\$2,000	

Contact Information & Social Media



Website: team1967.ndsj.org



Team Email: team1967@ndsj.org



Coach's Email: mcarrillo@ndsj.org



Phone: (408) 294-1113



Facebook: [Team 1967 Janksters](https://www.facebook.com/Team1967Janksters)



Twitter: [@Team1967](https://twitter.com/Team1967)



Instagram: [@Team1967](https://www.instagram.com/Team1967)



YouTube: [FRC Team 1967](https://www.youtube.com/channel/UC...)