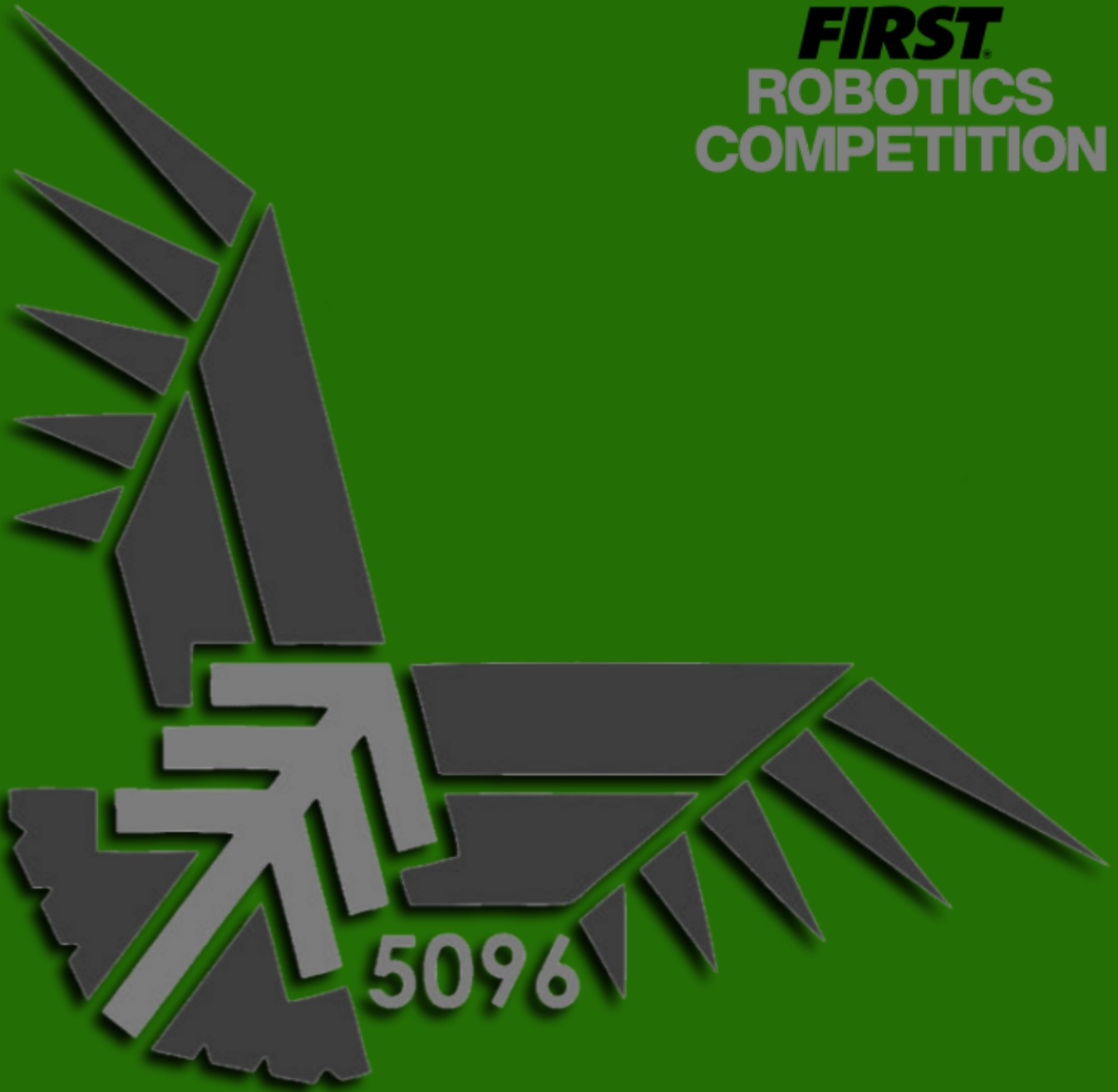


The Teutonic Force 5096



BUSINESS PLAN 2021-2022



Table of Contents

Team Mission	2
Theme	2
Mission Statement	2
Vision Statement	2
Core Values	2
Team Goals	2
Team Origin	3
Team Organizational Structure	4
FIRST Organization	4
FRC Team Organization	5
Ensuring Funds are Used Wisely	5
Future Plans	6
FIRST Impact and Recruitment	6
Sponsorship	6
Team	6
Community Outreach	6
Financial Statement	7
Corporate Donations	7
Internal Fundraising	7
Total Income: \$17,384.00	7
Competition Event	7
Base Cost	7
Total Expenses: \$7,446.27	7
Risk Analysis	8
Strengths	8
Weaknesses	8
Opportunities	8
Threats	8
Contact Information	8



Team Mission

Theme

Growth and Renewal

Mission Statement

Our mission is to cultivate a welcoming environment in which students are inspired and encouraged to learn and innovate.

Vision Statement

Our vision is to spread the ideals of FIRST and our team throughout the Germantown community in order to create the next generation of leaders.

Core Values

Inspire- We inspire students and the community to problem solve through FIRST and STEM initiatives in conjunction with industry professionals.

Create- Our team creates both technical and soft skills within our team members that will help them through their FIRST journey and their careers.

Lead- We will lead our community and team by becoming the next generation of leaders and innovators using the skills we learned through FIRST.

Team Goals

1. Transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders (FIRST's Mission).
2. Provide a life changing, career molding experience for our participants based on practical application of science and technology with the fun, intense energy and excitement of a championship sporting event.
3. Prepare today's youth with skills, knowledge, and experience required for jobs in the industries of tomorrow and to become resourceful and adaptable problem solvers.
4. Provide an organization with long-term sustainability for augmenting the student's professional and creative development through providing key experiences for the child-adult transition.
5. Create a winning team of diverse, multi-talented students.
6. Demonstrate to the students:
 - Organisational methods for fostering innovation
 - Applications of math, physics, and engineering principles
 - Professional tools for product development and project management
 - How to develop a 21st century skill set



Team Origin

FRC team 5096, The Teutonic Force was created through a multi-directional effort. Dave Woods, a co-worker of Teutonic Force mentor Mike Ronsman, had been involved in the FIRST robotics program as a student (and later a mentor) on FRC team 537, Charger Robotics, out of Sussex, Wisconsin and had co-founded and co-lead FRC team 2506, Saber Robotics, out of Franklin, Wisconsin. Through Mr. Woods, Mr. Ronsman and his son had been invited to attend several FIRST Robotics Competition events. Seven years after co-founding the program in Franklin, Wisconsin, Mr. Woods was actively searching for a new FRC opportunity closer to his residence in Menomonee Falls, Wisconsin.

At a local Boy Scout meeting, parents Mr. Alburg and Mr. Ronsman began discussions about how to bring FIRST robotics to the Germantown area for their children. Mr. Alburg had previously mentored a team in Oconomowoc, Wisconsin and had held a role as the Wisconsin Regional Judge Advisor for several years. Both Mr. Ronsman and Mr. Alburg had a child that was in their freshman year and wanted to provide a way for them to experience FIRST.

After a single meeting with prospective mentors, the team began a race to establish itself. FIRST robotics soon became part of the Germantown community. Through Mr. Alburg's efforts Kennedy Middle School began a FIRST Lego League (FLL) program in the fall of 2013, and the program's popularity grew rapidly among middle school students and their parents. This growth provided the perfect opportunity to introduce FIRST Robotics Competition (FRC) at the high school level. FRC team 5096 was founded in late December of 2013, just days before the 2014 competition season started.

Being located in Germantown, Wisconsin; a village formed by German immigrants, the team decided to name itself 'The Teutonic Force'. Teutonic is a name given to Germanic people that dates back to ancient Greek and Roman authors. They are known for their tactical genius, courage, bravery, dedication, and their legislative ability. The term 'force' refers to any interaction that changes the motion of another object.

The team had to work hard to catch up to their competitors. Despite the late start, The Teutonic Force successfully completed construction of a robot within the time limits and were able to quarantine prior to Stop-Build-Day.

FRC team 5096 participated in the 2014 Wisconsin Regional as a rookie team, but the robot outperformed several veterans. After 10 qualifying matches, the underdog team finished placing 29th out of 60 teams and achieved the Highest Seeded Rookie Award and also took home the Rookie Inspiration Award.



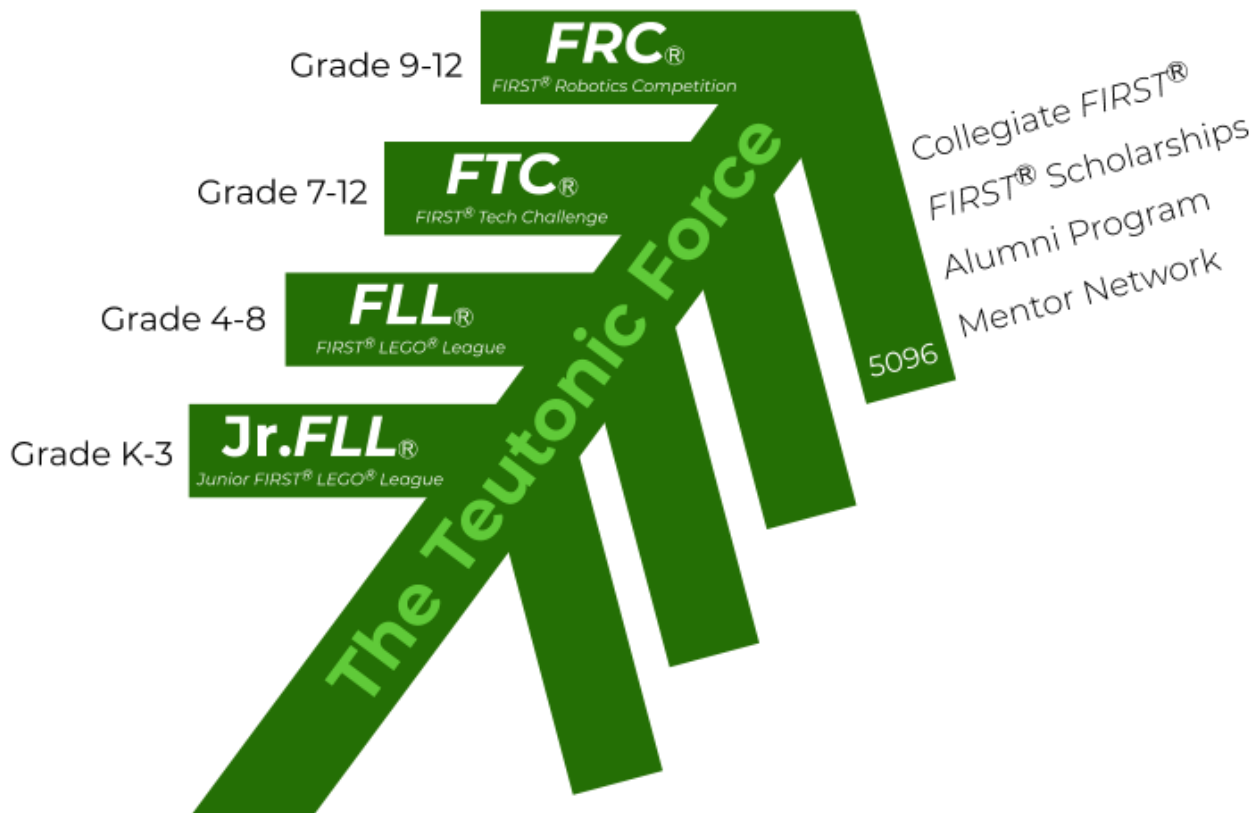
Team Organizational Structure

FIRST Organization

The Teutonic Force is an organization that encompasses all FIRST programs in the Germantown, Wisconsin area. Currently, The Teutonic Force consists of eight (8) FIRST Lego League (FLL) teams and one (1) FIRST Robotics Competition (FRC) team.

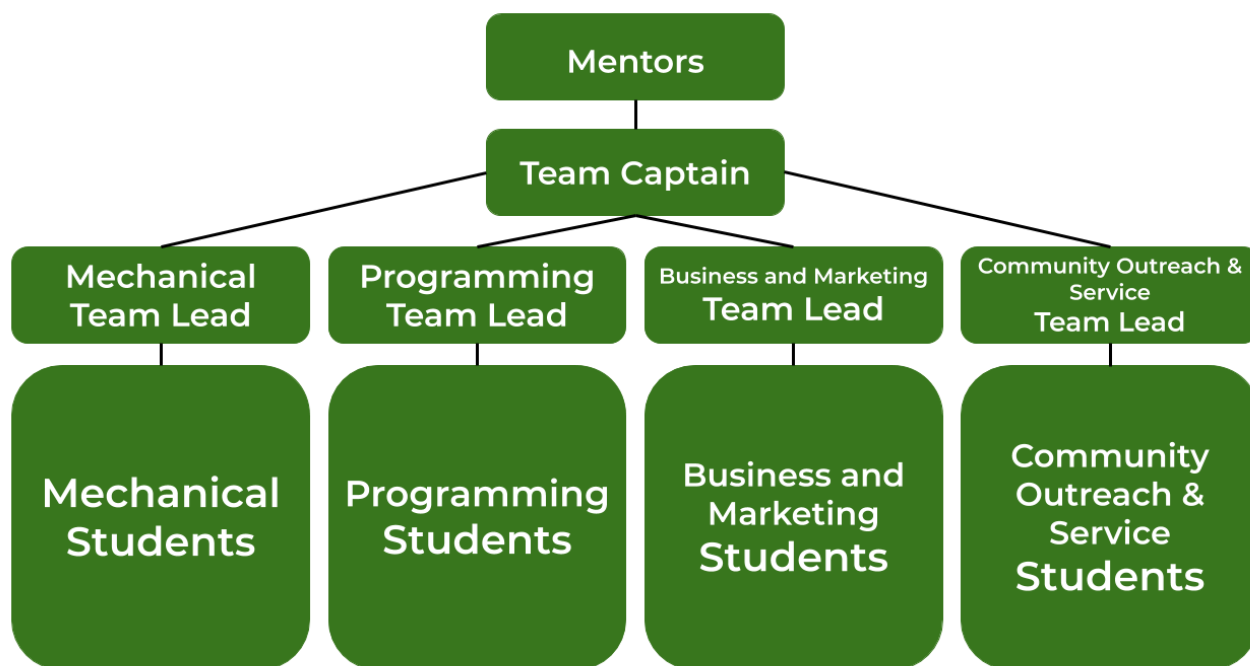
The Teutonic Force's FIRST organizational structure can be visualized using one of the team's logo elements: the Tiwaz Rune (shown below). Students begin their FIRST career through Jr. FIRST Lego League (Jr.FLL) and FLL teams, where they are introduced to basic robotics at the Elementary and Middle School level.

After participating in FLL, students further their FIRST career by joining a FIRST Tech Challenge (FTC) team or FIRST Robotics Competition (FRC) team, which exposes them to increasingly advanced business and robotics concepts that prepare them for future jobs in the professional world. FRC team 5096 uses its FLL and FTC programs to recruit future team members and provide leadership opportunities for high school students to mentor the younger teams.



FRC Team Organization

The Teutonic Force ensures its functionality through a hierarchy structure. Currently, the Teutonic Force is made up of four sub-teams: Mechanical, Programming, Business and Marketing, and Community Outreach and Service. Each sub-team has a team lead who is the most experienced team member of the sub-team. The team leads monitor the progress of their designated sub-team and teach team members the skills they learned from past competition seasons. The Team Captain monitors the team as a whole in addition to encouraging communication between the sub-teams. The Teutonic Force's Mentors, all of whom are STEM and business professionals, guide the team towards its goals. All members of the Teutonic Force work together and strive for the best possible competition season.



Ensuring Funds are Used Wisely

The Teutonic Force utilizes team-wide collaboration when making financial decisions. The Mechanical and Business and Marketing Teams estimate the expenses and evaluate them against the team's theme, mission, vision, core values, and goals. The Financial Officer oversees financial transactions and works with the team to verify resources are allocated appropriately. Transparency is important to the team when managing funds because it allows all team members access to where and how resources are distributed.



Future Plans

FIRST Impact and Recruitment

FLL Mentorship- Throughout the future of the Teutonic Force, we plan to aid the younger FIRST Teams in our community by supplying high school mentors. This year we plan to mentor two FLL teams and increase that number to include every FLL team within the next five years.

Jr .FLL Teams- Our community currently does not have any Jr. FLL teams. In the next five years, we plan to create one Jr. FLL team in each of the four elementary schools in the Germantown School District.

Recruitment Efforts From FIRST- Inorder to ensure the growth and sustainability of the Teutonic Force, we plan to reach out to the existing FLL teams in our community by encouraging them to continue their FIRST and STEM journey though our FRC team.

Sponsorship

New sponsors- This year our team plans to reach out to three more sponsors from the Germantown community.

Strengthen Ties with Sponsors- Our team values the resources provided to us by our sponsors so we plan to create stronger relationships with our sponsors by developing stronger communication between our team and sponsors.

Team

Team Training Workshops- During this season, the Teutonic Force plans to create a workshop for existing and new team members to expand their skills and knowledge of FIRST and STEM.

Leadership Meetings- We plan to implement leadership meetings this year to increase communication between the sub-teams.

Community Outreach

Community Service- Our team's vision is to become more involved in the community so we plan to create a Community Service sub-team to go out in the community and spread the ideals of FIRST through community service projects. We plan to complete one major community service project involving the younger members of our community this year.



Financial Statement

Corporate Donations

ABB Data- \$2,000.00
Rockwell- \$2,500.00
Rexnord- \$6,000.00
Briggs and Straton- \$400.00
J.W. Speaker- \$2,500.00
GSC- \$500.00

Internal Fundraising

Raffle tickets- \$1,584.00
State WI- \$1,900.00

Total Income: \$17,384.00

Competition Event

Robot 2020- \$1,726.00
Game Elements- \$60.00
Shipping and Taxes- \$60.27
Mini Regional 2020- \$225.00

Base Cost

WI Registration Fee- \$5,000.00
501c3- \$25.00
Storage- \$1,158.00
Raffle tickets 2019/20- \$350.00

Total Expenses: \$7,446.27



Risk Analysis

Strengths

- Female Membership increased significantly last year.
- The Junior Membership program brought in new recruits.
- Strong and motivated team leaders.

Weaknesses

- Difficulties completing tasks by their deadlines.
- History of low performance at competitions.
- Last year's competition was cancelled due to Covid-19.

Opportunities

- Previous season's premature ending provides more time to focus on this year's competition.
- New recruitment strategies look promising including the community service team, junior membership, and FLL student mentorship.
- Business and Marketing updates will help make the team more efficient and appealing to sponsors, the community, and new recruits.

Threats

- Many team members have left or are considering leaving the team.
- Team members participate in conflicting activities.
- Main Mentors' children graduated from the program.

Contact Information

Address : 8365 North 107 Street, Milwaukee, WI 53224

Email : theteutonicforce@gmail.com

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

Website : www.theteutonicforce.com

Head Mentor : Mike Alburg

