



TEAM 4639

BUSINESS PLAN

2023-2024

CRESCENDOSM





ABOUT THE ROBOSPARTANS

MISSION

The primary mission of the RoboSpartans is to provide STEM education to all, no matter their background.

LEARNING

We log everything in our team's Google Drive to ensure that no information is lost. This season, we've recorded all of our build meetings in daily build logs to track our progress and tips for future years.

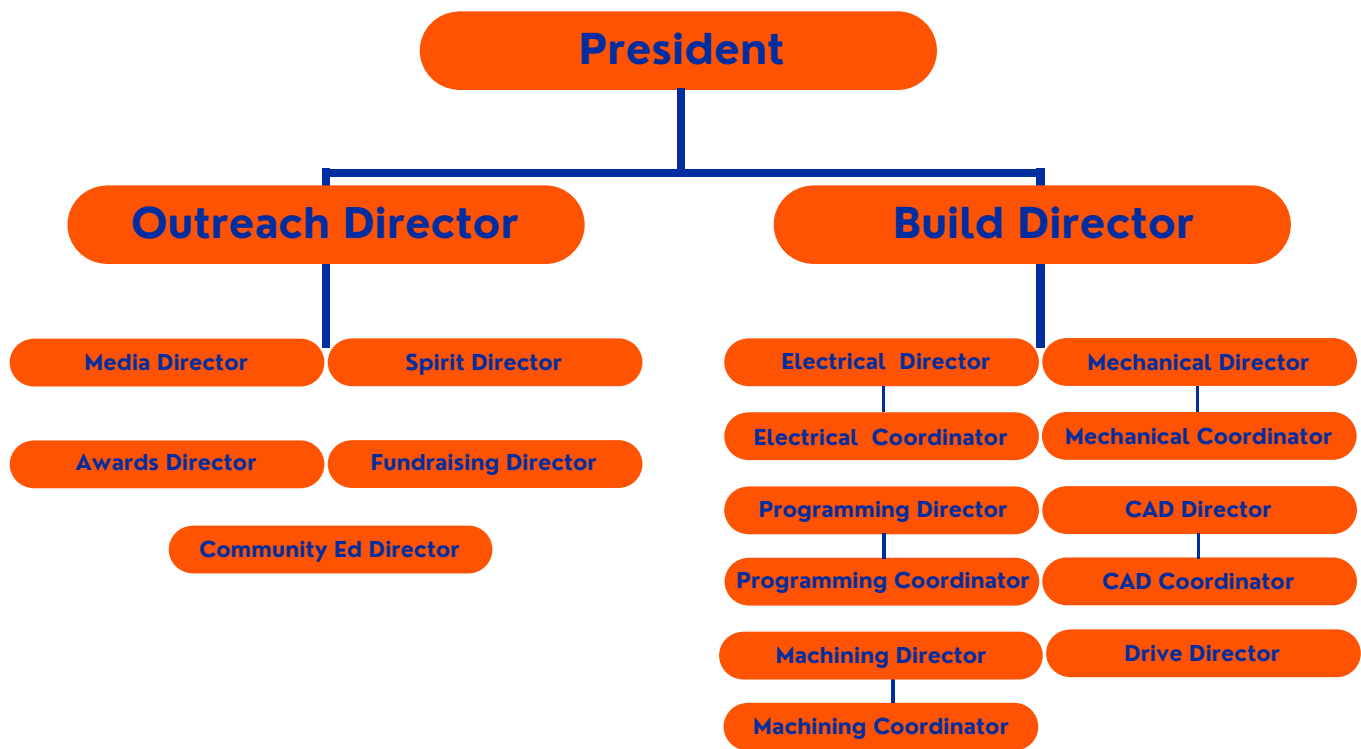
MEMBERS

Joining our team requires no prior experience because we are able to train our members in any department that they wish.

TURNOVER

Every year new members join, and veteran members graduate. That's why we must train new members and log the knowledge we gain each season.

ORGANIZATION STRUCTURE



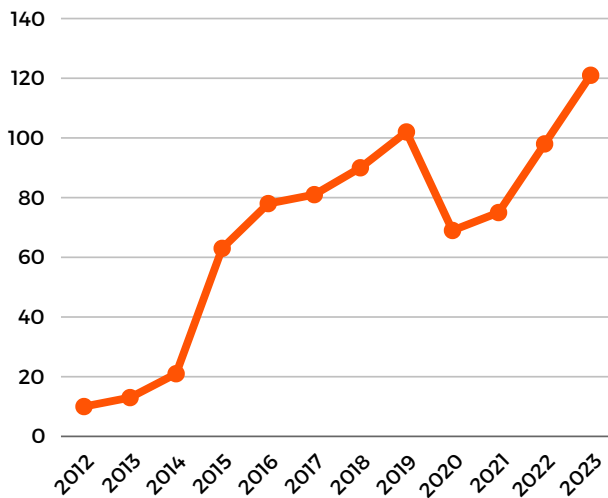
GAME ANALYSIS

A huge part of our early build season discussion is about analyzing the game and what we want to do. We assign each game element a priority, benefit, and cost, then rank them based on these factors. By being aware of our limitations and skill set from the beginning, we can prioritize what will realistically give us the most benefit.

DIVIDING WORK

During build season we split our members into several groups, each assigned to a component of the robot. We assign these groups based on experience and department and ensure that each department is represented equally.

TEAM GROWTH



MEMBERS OVER TIME

Since our first year in 2012, the size of our team has increased significantly. The year has had the highest number where we had over 100 people register! COVID-19 significantly lowered the size of the team, but we have quickly recovered since then.

ACQUIRING NEW MEMBERS

Our team markets ourselves mainly through school advertisements. We attend our school's club showcases at the start of the year, which is our main mode of recruitment. Many kids who have participated in our camps often end up joining our team when they enter high school.

NALCO Water
An Ecolab Company



Honeywell

ACQUIRING AND MAINTAINING SPONSORS

The way we gain most of our sponsors is through parents of our team members submitting sponsorship requests to their employers. We have found that a familiar face sending the message is much more likely to yield and maintain a sponsorship. We also target smaller local businesses as they are more likely to sponsor us. When pitching ourselves to sponsors, we explain how their contribution gives back to our community as we use the money to host camps and community events. While we are not engaged with our sponsors particularly often, we consistently update them on our team and what their money is helping us do through social media posts and monthly emails.

SWOT ANALYSIS



STRENGTHS

- We have access to a STEAM facility with experienced teams to assist us if needed.
- We have mentors who have industry engineering experience.
- We often use Google Meet to allow people to attend meetings from home.
- We use Google Classroom for online training, allowing us to maintain our training materials for many years.
- Our team has over a decade of experience and infrastructure.
- We log everything in our Google Drive.

WEAKNESSES

- Every year we have to spend an entire semester on training to ensure that anyone can join our team at any level of experience, leaving less time than desired for research.
- Every year, our experienced senior members graduate.
- Our current 4-year members do not have as much competition experience as they could due to the lack of a season in 2021.
- Our school gives us very little funding and support.

OPPORTUNITIES

- Our FLL teams at Seven Lakes JH and Adams JH provide the potential for new members.
- There are many members whose parents can help with gaining sponsorships.
- We have been holding an increasing number of camps, which will eventually yield new members.
- Our most recently gained sponsorship, Honeywell, has offered to provide full-time mentors starting next school year.

THREATS

- All of our sponsorships are completely dependent on parent connections.
- We may eventually run out of funding for the team.
- The STEAM facility we work at may one day close down.
- A lack of mentors may prevent our team from completing our robot.

RISK ANALYSIS

Before making a purchase we determine how much of a benefit it would provide when compared to its cost. We also determine whether or not it will be a threat for us in the future should it provide as much benefit as we had hoped.

FINANCIAL STATEMENT



Seven Lakes High School Robotics Booster Income Statement

All Activities are qualified as Without Donor Restriction. 2/28/2024

Operating Activities

Revenue and Support	Previous Year	Current Year
Initial Cash	24,279.39	21,526.98
Students and Parent Memberships	12,000.00	18,675.00
Contributions and Grants	17,100.00	21,455.00
Fundraising Events Revenue	8,010.00	6,500.00
School Support	-	-
Out of Town Trip Contributions	-	-
Total Revenue and Support	61,389.39	68,156.98

Total assets from operating activities + fixed	67,589.39	73,116.98
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Expenses

Current liabilities:	Previous Year	Current Year
Raw Material	21,852.00	26,330.00
Outreach Events	1,627.00	828.00
Travel and Food - Robotics Competitions	741.00	6,400.00
Competition Fees	7,365.00	10,600.00
Spirit, Wear and Branding	2,965.00	3,400.00
Other	595.00	-
Total current liabilities	35,145.00	47,558.00

Long-term liabilities:	Previous Year	Current Year
Mortgage payable	-	-
Total long-term liabilities	-	-

Owner's equity:	Previous Year	Current Year
Investment capital	-	-
Accumulated retained earnings	-	-
Total owner's equity	-	-

Total Expenses	35,145.00	47,558.00
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Balance	32,444.39	25,558.98
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Fixed assets:

Fixed assets:	Previous Year	Current Year
Property and equipment		
- Miscellenaous	2,000.00	2,000.00
- CNC Router - Donation in Kind	10,400.00	10,400.00
Less accumulated depreciation	(6,200.00)	(7,440.00)
Total fixed assets	6,200.00	4,960.00

Other assets:	Previous Year	Current Year
Goodwill	-	-
Total other assets	-	-

