

# Business Plan

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FIRST Robotics  
Competition 2024  
FRC Team 5740: North  
Catholic High School



# About Us



**Rookie Year  
2015**



**28 Members  
12 Mentors**



**15 Team  
Awards**



**Cranberry  
Township, PA**



## Team Goals

- Qualify for Worlds
- Design and construct a high-performance robot
- Continue to increase STEM presence in our community
- Expand FRC and feeder team mentorship
- Increase overall FRST involvement
- Sustain and increase sponsorships

# Vision & Mission

## Mission

Building students of creativity, leadership, and professionalism  
– connecting them to a future enlightened by their STEM experiences.

## Vision

To see communities served by our team members equipped with gracious mindsets and professional skill sets.

# Team Values

## Teamwork

At a macro-level, there must be defined roles and structure to ensure that the team works.

At a micro-level, teamwork is defined as collaboration, inclusion equality, and empowerment.

## Commitment

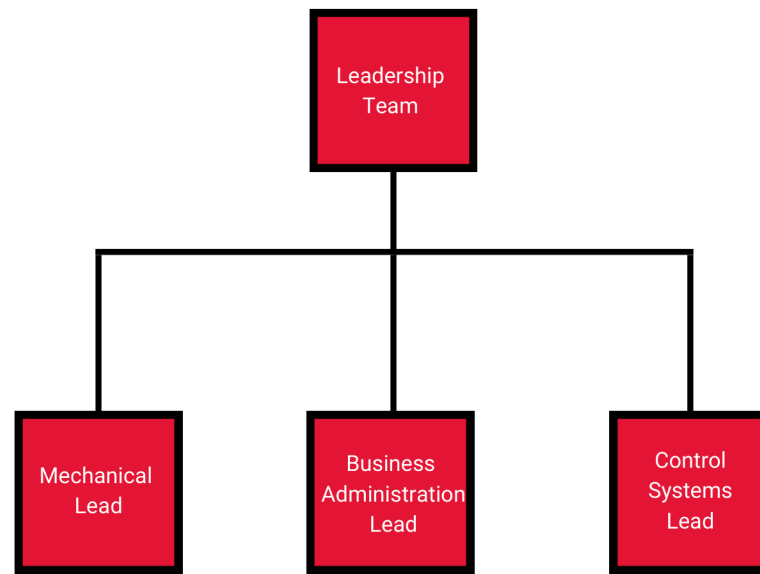
Consistency in scheduling and clarity in communicating with the team mark a committed team member.

## Celebrating Success

Success is not to be defined by awards. Success is completion, consistency, and zeal

# Team Organization

5740 seeks to organize itself using its handbook. The handbook outlines the mission, vision, values, as well as procedures for lead voting and responsibilities associated with being lead. Communication is a key aspect of 5740 and communicates through Discord and Teamsap. The leadership team meets every week to discuss progress and action items. Leads work closely together throughout the season in order to ensure a smooth operation of the team.



# Team

## Engagement

5740 engages with its community through its numerous outreach events where we host, mentor, and assist in our service-through stem initiatives.

## Community Engagement

- Seniors FIRST
- Girl Scouts
- Christmas on Troy Hill
- Summer Camps
- FRC Bootcamp
- Cranberry Maker Faire
- National Advocacy Conference
- FLL Mentorship
- FTC Mentorship

# Sustainability

## Acquisition of Funding

5740 acquires its sponsorships and funding by encouraging members to reach out to companies and organizations. 5740 additionally participates in multiple networking events to connect with as many potential sponsors as possible.

## Sustaining Funding

Sponsors are informed of our accomplishments by email updates. Sponsors are also invited to events, competitions, and our end of year banquet.

# Environmental Sustainability

## Recycling

5740 has always been committed to using recycled materials for its robot. During the prototyping stages, the prototypes are made recycled and previously used parts. For the build of the robot, 5740 reuses its swerve drive module, limelights, radios, RoboRio, PDH, and motors.

## Efficiency

5740's workshop is an insulated environment and a garage door for natural light use. When a machine is done being used, it is unplugged to conserve energy. 5740 utilizes rechargeable batteries on its robot.



# Current Sponsors

## Corporate

### Title Sponsor

**Penna Flame**

### Gold

Pfizer

Hartwood Dental Associates

Jeremiah Bondra DMD, PC

Armstrong

### Scarlet

Mitsubishi Electric Power Products Inc.

BD Matching Grant

DPL Engineering LLC

Ancient Order of Hibernians Div 32

Railworks

### Friends

Joseph J. Brunner Inc.

Schell Games

Edward Jones

The Face Lab

Lightspeed Business Consulting Group

Hello Bistro

Fun Fore All

## Family

### Title Sponsor

**Bobbie & William Peterson**

### Scarlet

**Signoriello Family**

### Friends

**Raymond and Jennifer Rapko**

**Sophia's Grandparents**

## Recruitment

5740 holds its annual STEM camps to introduce upcoming members into concepts about FIRST, Teamwork, and Gracious Professionalism.

In collaboration with our school, 5740 holds a booth at the Fall and Spring Open House to welcome those interested in robotics.

## Training

Mentors contribute their knowledge and expertise in their STEM field to provide a informative and skill-building environment to train students for challenges the new season presents

Our In-Reach program offers a way to train and refine the skills necessary to create a successful robot.

# Success & Failures

## Success

- Successful community outreach
- Successful execution of student led plans

## Failures

- Attendance
- Time Management

## Celebrating Success

5740 holds its annual end of the year banquet in order to reflect on the season. Awards are given out to team members and mentors who ensure all aspects of the team work together.

# Budgeting & Finances

\*From 2023-2024

## Opening Balance

\$24,755

## Revenue

Sponsorship	23,285.00
Booster Dues	5,800.00
Fundraising	3,632.00
North Catholic School Support	9,000.00
Misc.	1,190.00
<b>TOTAL</b>	<b>42,907.00</b>

## Expenses

Hotels, Meals, T-Shirts	1,964.00
Competition Costs	9,000.00
Equipment/Upgrades	7,707.00
Robot Build	20,969.00
Misc.	1,675.00
<b>TOTAL</b>	<b>41,315.00</b>