

Bionic Panthers

TEAM 8088 Fundraising Plan



2023 - 2024 Season

Team Summary

The Bionic Panthers are a Robotics TEAM from Liberty Hill High School in Liberty Hill, TX. Our campus is a public school that is proven to encourage students to pursue education and careers in STEM-related fields, inspire them to become leaders and innovators, and enhance their 21st-century work-life skills. Founded in 2016 at Liberty Hill High School, competing in BEST Robotics since 2016, and FIRST Robotics since 2020. Our TEAM consists of approximately 25 members, 1 lead Mentor/Teacher, and 5 Mentors from STEM-related industries.

The TEAM competes in BEST Robotics (Team #: 0463) in the fall semester, which consists of an Engineering Notebook, Marketing presentation, Exhibit/interview, and Robot head-to-head competition. To name achievements, the TEAM has gotten to state every year, won first place in the exhibit (2022), and first place in engineering drawings (2022). The TEAM is constantly improving every year and this competition teaches students more than robots, how to public speak, market a business, innovate, brand, and teamwork.

The TEAM competes in FIRST Robotics (Team 8088) in the spring semester which consists of head-to-head competition, impact awards, along with other engineering awards along the way. This competition allows a more complex problem-solving approach, including Gracious Professionalism, on the playing field. To name a few achievements, gone to State Championships 4 years in a row, Rookie Game Changer Award (2020-at home COVID-19 challenge), Innovation in Control Award (2022), and Waco District Championship (2023)

The Bionic Panthers is a very young TEAM with great potential to be successful in competition. The TEAM has progressively met the challenges of competition while improving its overall performance at each event. As we prepare for the 2023-2024 season the TEAM is planning on continued improvement and hope to advance beyond the State level this season.

TEAM Impact/Outreach

The Bionic Panthers Robotics TEAM began in the Fall of 2016 with only 6 active members. Since those humble beginnings, the TEAM has continued to participate in events that help to promote the TEAM and the importance of encouraging students to get involved in STEM-related activities.

During the Fall semester, the TEAM sets up during each Panther Pit Tailgate. These events are held before local football games. School Clubs are encouraged to participate to show their school spirit. This gives the TEAM an opportunity to demonstrate our TEAM robot and encourage younger students to get involved.

During the Spring semester, the TEAM visits our local elementary schools. The robot plays with the students during their PE time. The TEAM members are excellent role models for our younger students. The TEAM will also visit with the Middle Schools and make time to recruit incoming Freshmen to join the TEAM in the Fall.

In addition, the TEAM will visit with the School Board, give out candy during the Fall Festival hosted by DECA, recruit during the Freshman Orientation, and visit other campuses for Science Night and/or STEM Night.

As of this year, the TEAM will also be hosting a STEM robotics camp for elementary students in the area in the Summer. To further encourage STEM-related activities and innovation for our younger generation

Approximately 20% of the students in the Engineering Program also participate in robotics competitions. This is an excellent way of applying what they have learned in the engineering classes. Students learn many skills that they will take with them to college and the workplace. Working as a TEAM promotes their ability to work collaboratively, develop problem-solving skills, practice public speaking skills, and apply engineering design to solve real problems.

TEAM Budget Proposal – 2023 – 2024

| | |
|--|-----------------|
| BEST Robotics-Fall | |
| UIL Registration Fee | \$750 |
| Housing and Travel | \$5,000 |
| T-Shirts for TEAM | \$750 |
| Field Supplies | \$300 |
| Exhibit Supplies | \$750 |
| Marketing Supplies | \$250 |
| FIRST Robotics-Spring | |
| 2 District Events | \$6,000 |
| District Championship | \$4,000 |
| Housing and Travel | \$10,000 |
| T-Shirts for TEAM | \$750 |
| Field Supplies | \$750 |
| Robot Build | \$7,000 |
| TEAM promotions/contest pre | \$750 |
| FIRST Championship** | \$5,000 |
| Summer | |
| Swerve Drive: Drive Train advancement | \$3,500 |
| Community Outreach Robot | \$300 |
| TEAM PIT advancement | \$2,500 |
| Supply Stock | \$2,500 |
| Programming Test Case2023 Robotics Summer Camp Interest Form (Responses) | \$1,500 |
| Off-Season Competition events-Housing and travel | \$1,500 |
| All Year | |
| Outreach Supplies | \$1,500 |
| TEAM Snacks | \$1,000 |
| Total | \$56,350 |

Degrees of Sponsorship

Panther Sponsor: \$5,000+

- Shout Out: Announced with the Team during competitions
- Robot: Small Logo
- Website: Logo and link to business on sponsorship page
- Shirt: Large logo on back of Team shirt
- Banner: Business card size logo (displayed at events and tournaments)
- Memorabilia: Thank you letter and window graphics

Gold Tier: \$2,500

- Robot: Small Logo
- Website: Logo and link to business on sponsorship page
- Shirt: Small logo on back of Team shirt
- Banner: Business card size logo (displayed at events and tournaments)
- Memorabilia: Thank you letter and window graphics

Purple Tier: \$1,000

- Website: Logo and link to business on sponsorship page
- Shirt: Small logo on back of Team shirt
- Banner: Business card size logo (displayed at events and tournaments)
- Memorabilia: Thank you letter and window graphics

White Tier: \$500

- Banner: Business name (displayed at events and tournaments)
- Memorabilia: Thank you letter

As a high school TEAM, we are working constantly to fund the Robotics Program. We have been fortunate to have a Booster Club of parents who help support the TEAM in many ways. Fundraising and grant writing take up an enormous amount of time. We are thankful for any person or business who is willing to help us with the costs associated with running a successful robotics TEAM.

We understand that these are difficult times. We also are very appreciative of all “in kind” donations. Any product, service, or mentorship that helps us to fund the work that we do for our students is as good as gold. As they say, “It takes a village”.

TEAM Contact Information

Main Contact

Daniel Paschal
Lead Mentor/High School Engineering
Teacher
dpaschal@libertyhill.txed.net
512.260.5500 ext 7240

TEAM Meeting Information

Liberty Hill High School, Room 141 & 142 Every
Tuesday & Thursday from 4pm to 6pm Every Sunday
from 1pm to 5pm

TEAM Mailing Address

Liberty Hill High School/FRC TEAM 8088 Attn:
Daniel Paschal
16500 W State Hwy 29
Liberty Hill, TX 78642

Booster Club Information

LHHS Robotics Booster Club
President Crystal Dufour
P.O. Box 661 Liberty Hill, TX 78642
LHHSroboticsboosterclub@gmail.com

Please return this completed form, and your donation to the LHHS Robotics Booster Club P.O. Box 661 Liberty Hill, TX 78642

Business Name:

Physical Address:

Mailing Address:

City, State, & ZIP

E-mail:

Business Phone/Cell Phone:

If you would like us to use a logo for the ads, please email the information to:
LHHSRoboticsBoosterClub@gmail.com

Please make checks payable to LHHS Robotics Booster Club
Donations are tax deductible.

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