

The Burncoat High School robotics team was formed in the fall of 2005 as the **Green Reapers**. Each year the team has designed and built a 150 pound robot and has been lucky to attend the World Championships in 2010, 2013, and 2014. In 2018 Burncoat Robotics, Inc was formed to financially support the team and their projects. Since then the team has won the District Chairman's Award which is given to teams who promote STEM in their community. Burncoat Robotics, Inc. also supports LEGO robotics teams that compete at the middle school level as a way to promote STEM at a younger level and to also build a base of students who want to join the high school team.



Mission

Burncoat Robotics, Inc. financially supports K-12 robotics programs for students in the greater Burncoat area of Worcester, MA. These programs may include competitions where students learn how to build, design, market, program, etc. Burncoat Robotics, Inc. will also support some local events where teams from the area will compete against each other.

Goals

Burncoat Robotics, Inc. goal is to provide hands-on STEM education to students from Worcester. This is done through a FIRST Robotics Competition team that builds a 150 pound robot every year. Students learn to build, design, and program the robot. The students also get an opportunity to travel and get new experiences that they would not have otherwise.



Sponsorship Levels

An Investment For The Future

This investment will go beyond just the members of our team. We view it as our responsibility not only to inspire our members, but also to enrich the community around us with an appreciation for and an understanding of STEM. Your business can be part of this revolution in science education and help FIRST achieve its vision of a world where STEM is valued.



Scythe Society (\$6,000+)

A scythe is a Reapers' most powerful tool.

- Inclusion of your business name as an official part of the team name in competition.
- Prominent display of your business name or logo on:
 - Robot, Team Website, T-shirts, Newsletter

Reaper's Regime (\$3,000+)

Help the team grow and "harvest" success.

- Placement of your business name or logo on:
 - Robot, Team Website, T-Shirts, Newsletter

Soult Havestors (\$500+)

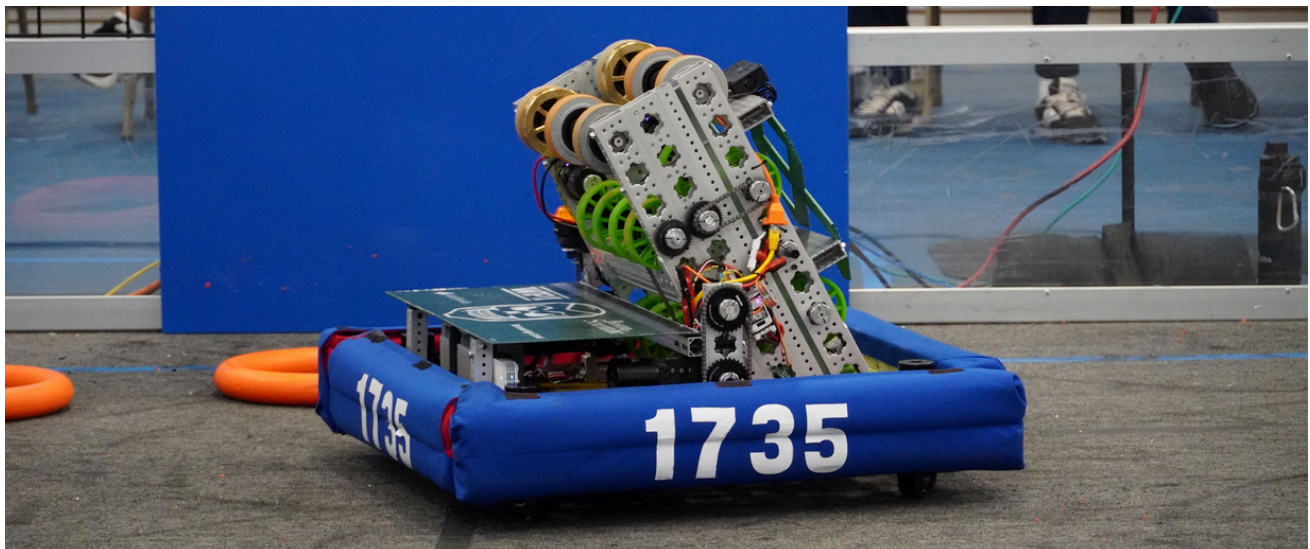
Keeps the robot running.

- Name added to t-shirt

Skeleton Crew (\$1+)

Every idea begins with a spark

- Thank-you



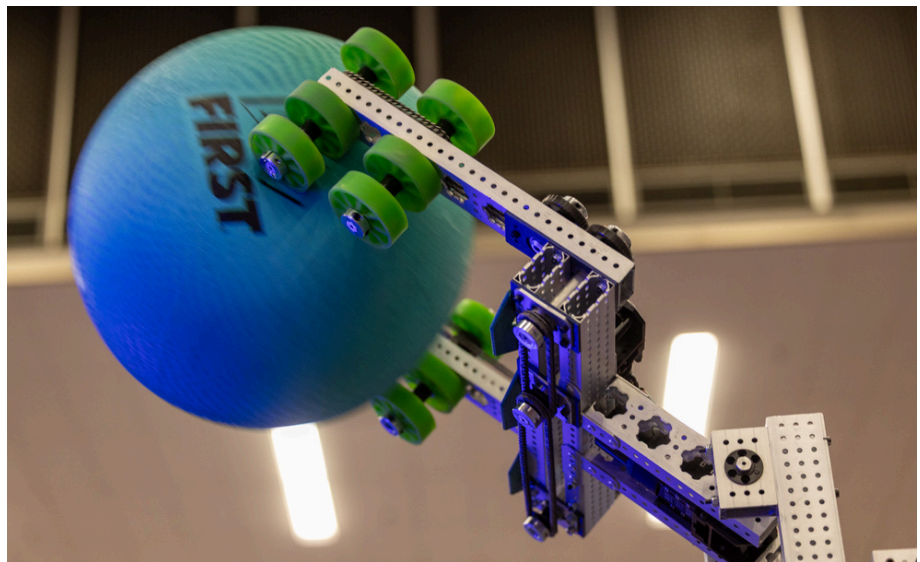
Funding Breakdown

Our budget varies from year to year, largely based on whether we qualify to attend the District Championships and World Championships. Like most organizations, we cut our programs when our funding falls short. We rely on corporate sponsorships, grants, fundraisers, and private donations to fund all of the expenses.

Here is our typical budget overview:

| | |
|--|-----------------|
| Regular Season registration fee (2 competitions) | \$6,300 |
| District Championships (if qualified) | \$4,000 |
| World Championships (if qualified) | \$5,750 |
| Off-Season registration fees | \$1,000 |
| Robot Materials | ★ \$12,000 |
| Competition Travel (excluding Worlds) | \$3,000 |
| Team Spirit (t-shirts, buttons, posters, etc.) | \$2,000 |
| LEGO Events | \$3,500 |
| New/Replacement tools, machines, etc. | ★ \$3,000 |
| LEGO Robot Teams | \$3,000 |
| Projected Total Budget | \$43,550 |

★ These prices are before any tariffs are applied. As most robot materials are made of metal and come from China, these numbers could easily double.





Recent Achievements

Over the years we have been recognized for the great work we are doing. Below are some of the recent awards we have received. If you decide to support our organization, you can help continue this legacy of excellence, empowering students to build real-world skills, gain confidence, and make meaningful contributions to their community through hands-on STEM experiences. Your support enables us to grow, innovate, and inspire the next generation of leaders and engineers.

- 2025 - Gracious Professionalism Award, Kingston, RI
- 2023 - Woodie Flowers Finalist Award, District Championships
- 2023 - Imagery Award, Worcester, MA
- 2019 - Judges' Award, District Championships
- 2019 - District Chairman's Award, Bedford, NH
- 2019 - BattleCry@WPI Winner
- 2017 - District Chairman's Award, Bedford, NH
- 2017 - District Engineering Inspiration Award



Here is what the judges have said about us:

2025: *This small but mighty team exemplified the spirit of Gracious professionalism through teamwork, inclusivity, and agility. They have an innovative approach to recruiting members and have the formula for retaining them by creating an environment where everyone can grow and learn together. Not only are they reaping success, but they are also sharing their positive energy and strategy with others.*

2023: *They've worked hard to empower the team's students to be able to engage with local and state politicians, bringing much-deserved attention to their school and team.*

2023: *Their pit will take your breath away. Their presence is felt to the depths of your soul. Edgar Allen Poe would be proud. Quoth the Judges, "truly inspirational."*

2019: *This team has spread the message of FIRST locally and globally. They support their FLL teams and engage young women in STEM. They represent the ideals of FIRST by advocating for FIRST. Cover your ears because this team knows how to make it loud!*

2017: *This team perfectly demonstrates that STEM can be inspiring, enlightening, and fun. They mentor FLL teams, support rookie FRC teams, and share parts and knowledge with the FIRST community. This team doesn't have an off-season as they demoed their robot to thousands of people from Girl Scouts to baseball fans. Geography doesn't hinder them as they're traveling from church basements to universities from Boston to our Nation's Capital. This colorful team shows that STEM and Robotics can truly be a fine art.*



Activities



Community

Burncoat Robotics is active in the community. Each year we have the robot throw out the first pitch at the Worcester Bravehearts game. In addition we participate in various STEM related events in our area to help promote STEM to as many students who are interested.



LEGO League

We often support several LEGO League teams in Worcester comprising of students in 4th-8th grade. We also host a tournament where 84 teams from across the state come to compete for their chance to qualify for the State Championship.

Find Robot Parts

Find Robot Parts

Select a category of products that you need help finding. This site can be used to help you find products you didn't know existed or find different vendors for products you already knew about.

3D Printed Models



Battery Accessories



Motor Adaptors



Mounts



Wheels

Electrical



Support Other Teams

In addition to supporting our teams we have created several tools over the years that are used by other teams. The most popular is Find Robot Parts where teams can find what companies sell the parts they are looking for. It is used by hundreds of teams from dozens of countries.

The team also coordinates with teams from across New England to advocate at the state houses for STEM funding.