



TOMBALL STAR
ACADEMY

TSA ALL STARS

ROBOTICS TEAM

7691

Thank you for your interest in the TSA All Stars Robotics Team! We appreciate the time you have taken to learn more about our program.

The Tomball Star Academy All Stars Robotics Team exists to encourage the development of students' interests in the areas of math and engineering. By doing so, the program prepares young minds to work and thrive in our increasingly technological world and global economy. The team participates in a competition held by **FIRST** (For Inspiration and Recognition of Science and Technology), a program developed in 1989 in order to inspire more interest in the fields of science and technology. In this competition, our team designs, programs, and builds a robot that performs a different task designed for each year's season – all in the span of six to eight weeks. This year, our team, number 7691, will compete in two different Divisional tournaments in March against over sixty teams.

The process of building and designing the robot is not an easy one. The journey from the first kit of parts and the first blank sheet on the drawing board to the completed robot participating in the competition is stressful and the 6-8 weeks fly by, yet its value and benefits reach so far beyond robotics and competing. Through the program, students gain a **priceless opportunity to experiment and explore** their technological capabilities and gain exposure to several aspects of engineering including technical design, strategizing, computer programming, and even business management.

However, in order to make this journey successful, the team needs support from the community on several different levels. One of the most effective ways to support the TSA All Stars Robotics Team is to sponsor us financially. By donating, the team will be able to **purchase necessary materials and tools** to construct the robot; in return, we offer several benefits (see packet for more details about financial support). **The team also needs mentors with training and experience**, especially in the areas of mechanical design, electronics or programming, in order to get through this six-week journey smoothly. Thirdly, sustaining in-kind support through product donations and discounts allow us to stretch our financial resources even farther. Any support offered will help and enrich the TSA All Stars and better ensure that students have opportunities and exposure to the areas of science and technology and prepare them to meet the growing demand for technologically adept individuals in today's world.

Thank you for your time and interest. We look forward to hearing from you!

Sincerely,

Elicia Moody – Main Contact
Tomball Star Academy (a TISD Early College Public High School)
EliciaMoody@tomballisd.net
832-492-3013



What we represent:

FIRST team 7691 was begun at Tomball Star Academy in 2018.

Today, the team consists of around thirty students and two mentors. Members are students of TSA. Mentors are always being sought.

The TSA All Stars are part of a larger organization called *FIRST* Robotics (**F**or Inspiration and **R**ecognition of **S**cience and **T**echnology). The mission of *FIRST* is to inspire young people to be leaders in science and technology by engaging them in mentor-based programs that build science, engineering, and technology skills, while also building self-esteem, life skills, and community awareness.

Through the program, students are able to:

- Apply engineering principles to the design, build, and operation of robots for competitions
- Learn and use CAD and other engineering software
- Hands-on experience with multi-disciplinary collaborative problem solving
- Program robots for both autonomous and human operated modes
- Travel to competitions
- Volunteer in their community
- Network with industry and engineering firms and companies

Team Organization:

- 30 students
- 2 mentors
- 2 faculty sponsors

Team Impact:

- Alumni in STEM fields
- Participation in community events, including Celebrate Science, Relay for Life, Black Expo, IUPUI Summer Camps, NSBE, Kids have Arthritis
- Participation in school events, including Pike High School's Open House, Safe Trick-or-Treat, Pike Township Literacy Fair, Freshman Orientation, and Pike's Homecoming Celebration



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As a FIRST Robotics Team, there are many costs associated with running a team. Below is a list of specific items that the team is fundraising money for, in addition to the general costs associated with running the team.

Item Number Needed Single-Item Cost Final Cost

2023 Season Entry Fee	\$6000
2023 Championship Entry Fee	\$4000
2023 Field Mockup Building Materials	\$500
Pit team Banner and Sponsor Banner	\$500 each
Team t-shirts	\$25 each with sponsor logos
Build Season Food (Lunches at events)	\$800
Robot Materials Cost	\$4000
Transportation to Field Trips and Events	\$2000

Beyond materials cost, the team is also in need to mentors that could help in the following areas:

Mentor Areas:

CAD Work with students focusing on the use of CAD from idea capture through assembly

Electrical Work with students focusing on various aspects of electrical components from motor selection through wiring implementation and placement.

Programming Work with students focusing on target system and GUI software to support testing and operation of robots and robot features

Engineering Design the design of a scoring robot including mechanism selection

Website Teach students how to build and manage a website

Finance Help students manage team funds and assist with fundraising

Prototyping Assist with the design of the robot and how to create a basic prototypes

Social Media Work with students to manage social media sites



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Degrees of Sponsorship

Title Sponsor - \$5000+

- Tournaments: Your company thanked during competition alliance selections nationally streamed to large audiences and invitation to travel to tournaments
- Robot: Large logo of business
- Banner: Large logo (displayed at events and tournaments)
- Team Shirts: Large logo on back of shirts (worn at events and tournaments)
- Website: Logo & link on sponsorship page and logo on first page
- Social media: Link and Logo on Team Instagram and Twitter page often
- Memorabilia: TSA All Stars shirt and Thank You Plaque
- Invitation to end of year celebration

Platinum Sponsor - \$2000 - \$5000

- Robot: Medium logo of business
- Banner: Medium logo (displayed at events and tournaments)
- Team Shirts: Medium logo on back of shirts (worn at events and tournaments)
- Website: Logo & link on sponsorship page
- Social media: "Shout-out" on Team Instagram and Twitter page with link
- Memorabilia: TSA All Stars shirt

Gold Sponsor - \$1000 - \$2000

- Robot: Small logo of business
- Banner: Small logo (displayed at events and tournaments)
- Team Shirts: Company Name on back of shirts (worn at events and tournaments)
- Website: Logo and link on sponsorship page
- Social media: "Shout-out" on Team Instagram and Twitter page with link
- Memorabilia: TSA All Stars shirt

Silver Sponsor - \$100 - \$1000

- Robot: Business card size logo of business (you supply sticker)
- Banner: Business card size logo (displayed at events and tournaments)
- Team Shirts: Company Name on shirt (worn at events and tournaments)
- Website: Logo and link on sponsorship page
- Social media: "Shout-out" on Team Instagram and Twitter page
- Memorabilia: Thank you letter from team

Bronze Sponsor - \$25-\$100

- Social media "Shout-out" on Team Instagram and Twitter page
- Memorabilia: Thank you letter



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Tax EIN: # 87 - 2941627

Sponsorship Information

(Please print or type so we can accurately include your information)

Business Name: _____

Contact Person: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: (_____) _____ Email: _____

Business Website: _____

Donate by Paypal: <https://bit.ly/3JwMTSi> or with this QR Code:



Please make checks payable to: TSA Robotics Club

Give checks to your student contact, or mail to:

**TSA Robotics Club
Attn: Elicia Moody
30330 Quinn Road
Tomball, TX 77377**

Student Contact: _____

Amount Donated: \$ _____ Check # _____ Cash _____

Material Donation: _____

Thank you for your support!

Your generosity is truly appreciated and will be put to great use!