

Team 176 | Aces High



Dear Prospective Patron,

FIRST is a co-operative program between high schools, colleges and industries that was organized in New Hampshire in 1989. The objective of *FIRST* is ‘to inspire today’s youth and create a demand among them to excel in science, math and technology’. There are over 20,000 *FIRST* teams from around the world involving youth from early elementary grades through high school at four different levels. Windsor Locks High School and Hamilton Standard (Now Collins Aerospace a RTX Company) formed a *FIRST* team at the high school level over twenty years ago consisting of students and teachers from Windsor Locks High School partnered with engineers and technicians from RTX. In 1997 the team initiated a partnership with Suffield High School that continues through today. Aces High, Team 176, is composed of parents, professional engineers, technicians, and teachers mentoring students by working side by side with the students addressing the annual challenge issued by *FIRST*. By working in close proximity with their mentors the students learn new skills and gain experience in problem solving, making tough real-life decisions while meeting a strict deadline. Our goal is to have the students inspired to value and actively seek knowledge and education.

Each January, *FIRST* distributes a new challenge game and rules for the yearly competition cycle. The team works together to create engineered solutions to the game challenges and ultimately build a large, 125-pound robot. Our team consists of a variety of committees whose duties include:

- **Design and Build** – Analyze the annual problem and design/build a robot to effectively address the challenge. (Under adult guidance, students design parts using state of the art CAD software and machine those parts in the Windsor Locks metals shop using CNC machine tools. Students also wire and program machine functions and controls for autonomous and tele-operated play.)
- **Programming** – Program the robot to respond to the game challenges both in autonomous mode and when controlled by the drivers.
- **Drive Team**- Student drivers who will control the robot during competitive matches against other alliances
- **Public Relations** – Students design team tee shirts and make them using equipment at the WLHS shop
- **Media and Out-reach**- Students design shirt graphics and maintain a social media presence that is widely followed by team supporters and opposing teams.

As you can see, our *FIRST* program exposes the students to a wide range of real-world skills that will positively influence their career paths. The production of the robot is pivotal to our program, but we are not just ‘those robot people’. Our other submission to the National Competition, the Chairman’s Award, received high scores from the judges. One of our many challenges each year is raising funds to support both the size of the team and the scope of the program. Although UTC sponsors the team, their contribution only partially covers the team’s annual registration costs. The remainder of the registration cost and the cost of materials and robot parts need to be funded through other donations. Students are expected to seek sponsorships to support their travel costs as well as support team costs. While Aces High is in the New England district, our competition centers about New England but these are multi-day events involving charter bus transportation and hotel accommodations. When we reach the World level our trips have taken us in the past to Orlando, Houston, Atlanta and St. Louis. Last year we competed in the World Championships in Houston.

We are asking you to consider donating to our patron drive by contributing at one of the levels explained on the next page. Patrons gain exposure through our social media, website, team banner, online publication, and potentially on the robot itself. Other venues where patron’s names and logos may be displayed include demonstrations at local libraries, Suffield on the Green, Windsor Locks Spring Fest and other events.

Please make checks payable to 4-H ACES HIGH ROBOTICS. Your contribution can be given to the student or parent team member or mailed directly to: 4-H Aces High c/o Missy Pascarelli, WLHS 58 South Elm St. Windsor Locks, CT 06096. If you have any questions you may contact Anthony DeVita or Frank DeVita at adevita1775@gmail.com and fdevita@cox.net. Your patron support will enable us to ensure that each student in our program has the opportunity to excel. Thank you for your support.

FRC Team 176 Aces High Team Members

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Title Sponsor: \$5,000+

- Professional Plaque
- Robot demonstration at sponsor site or Aces High Shop
- Name and Logo on Banner, Robot, and Shirts **
- Invitation to attend Team Competitions in New England
- Sponsor name and logo featured on website and social medias

Gold Sponsor: \$2,000+

- Name and Logo on Banner, and Shirts**
- Aces High Shop Tour
- Invitation to attend Team Competitions in New England
- Sponsor name featured on website and team Social Medias
- Letter of Appreciation

Silver Sponsor: \$1,000+

- Workshop Tour
- Invitation to attend Team Competitions in New England
- Sponsor name featured on website and team Social Medias
- Letter of Appreciation

Bronze Sponsor: \$300+

- Invitation to attend Team Competitions in New England
- Sponsor name featured on website and team Social Medias
- Letter of Appreciation

Friend Sponsor: Amounts up to \$300

- Letter of Appreciation

**Please send sponsor@team176.com an email with an official, high resolution SVG/PNG file of your company logo

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Thank you for supporting Aces High Robotics, a 501(c)(3) nonprofit.
Our EIN is 47-3806389. Please complete the form.

Email to sponsor@team176.com

Mail checks to "4-H Aces High c/o Missy Pasquareli"

WLHS 58 South Elm St. Windsor Locks, CT 06096.



Online Form

Sponsorship Form

Patron Name: _____

Contact Name: _____

Contact Phone: _____ Contact Email: _____

Business Address: _____

State: _____ City: _____ Zip Code: _____

Donation Level: _____

Amount Donated: _____

Solicited by (Team Member Name) _____

In-Kind Donation (Please describe): _____

Contact Information

- For questions, clarification, or more information please email:
sponsor@team176.com

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