

Don Bosco Technical School Tema, Ghana *FIRST* Tech Challenge Team Sponsorship



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www.firstinspires.org

I. Who we are

The Don Bosco Technical Titans is a high school *FIRST* Robotics team from the Don Bosco Technical School in Tema, Ghana. Along with their coaches, the approximate 20 team members are eager to learn about *FIRST* and STEM in a hands-on learning environment, with the goal of designing, building, and programming a robot to compete against other teams with Gracious Professionalism.

II. Team Mission Statement

The mission of *FIRST* Tech Challenge Team, the Don Bosco Technical Titans, is to provide its members the opportunity to learn about STEM (Science, Technology, Engineering and Math) through the values of the Don Bosco school philosophy and the core values of *FIRST*. Team members will become STEM innovators by employing leadership skills, problem-solving, and teamwork, becoming inspired to use their skills for real-world applications and employment.

Being on FIRST Team 1676 gave me the opportunity to explore engineering as a career. I want to share my experience with students in my home country, Ghana, so they can realise how fun and educational STEM can be. I want to inspire them; I want to bring FIRST to Ghana.

- Nalida

Pascack Valley Regional High School District

Class of 2021

III. What is *FIRST*?

FIRST® is the world's leading child-serving nonprofit organization advancing science, technology, engineering, and math (STEM). For 31 years, *FIRST* has been inspiring innovation and leadership by teaching STEM, teamwork, and problem-solving skills through engaging, hands-on robotics challenges developed to ignite curiosity and passion in students in grades K-12.

FIRST is a global organization with participation of approximately 100 countries, 615,000 students and over 72,000 teams. It is comprised of four programs from high school to elementary school:

FRC- *FIRST* Robotics Competition for ages 14-18.

FTC- *FIRST* Tech Challenge for ages 12-18.

FLL- *FIRST* LEGO League for ages 9-16.

FLL Jr.- *FIRST* LEGO League Junior for ages 6-10.



“FIRST is more than robots. The robots are a vehicle for students to learn important life skills. Kids often come in not knowing what to expect - of the program nor of themselves. They leave, even after the first season, with a vision, with confidence, and with a sense that they can create their own future.”

- Dean Kamen, Founder of *FIRST*

IV. Positive Impacts of *FIRST*

Gains in 21st Century skills

- 98% Improved problem solving skills
- 95% Increased time management skills
- 93% Increased conflict resolution skills
- Strengthened communication skills over 76%

School Engagement increase for *FIRST* Participants

- 86% More interested in doing well in school
- 84% Plan to take a more challenging math or science course
- 87% More interested in going to college

STEM Major Cited By *FIRST* Participants

- 2x as likely to major in science or engineering
- 41% Major in engineering
- 33% of women major in engineering
- Over 75% of Alumni are in a STEM field as a student or professional



“The LEGO Foundation and LEGO Education are excited to continue supporting the growing efforts of the FIRST robotics programs. Through strong collaboration with partners like FIRST, we are inspiring children through hands on learning to create the future problem solvers of tomorrow.”

-Stephan Turnipseed, president, LEGO Education North America

V. What is FTC?

FIRST® Tech Challenge is designed for students who want to compete head to head using a sports model. Teams design, build, and program their robots to compete on a 12' X 12' field, in an alliance format, against other teams.

Robots are built from a reusable platform, powered by Android technology, and programmed using Java or Blockly. Teams, including coaches, mentors, and students, are required to develop strategy and build robots based on sound engineering principles, such as rapid prototyping. Awards are given for the competition, as well as community outreach, design, and other real-world accomplishments.

More than 80,000 students (ages 12-18)

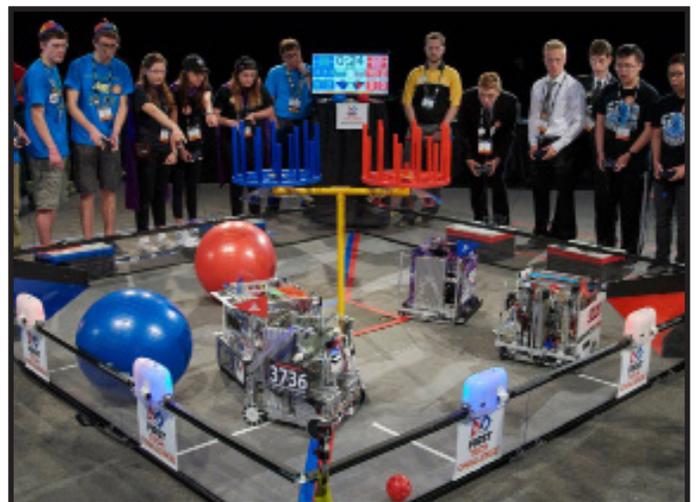
More than 35 countries

Over 8,000 teams



Teams...

- Design, build, and program robots
- Model a real-world engineering process (like the engineering notebook)
- Apply math and science concepts
- Develop strategic problem-solving, organizational, and team-building skills
- Build life skills while building robots and work toward participating in tournaments and World Championship
- Compete and cooperate in alliances at tournaments
- Win awards on and off the field - earn awards not only during the robot competition but also for team and individual qualities such as innovation, leadership, robot design, robot build process and team spirit.



VI. Sponsorship

How you can help

Part of the *FIRST* mission is to create more of a bond with the community by having teams cover their operating budgets by partnering with corporate, as well as private sponsors. The Don Bosco Technical Titans need your help! Here are some ways you can support our team:

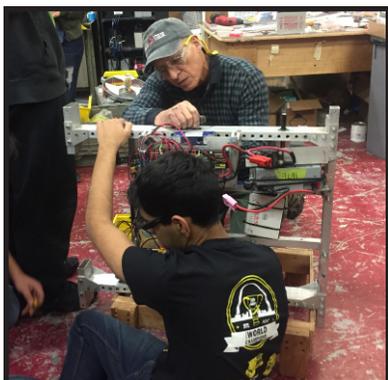
Financial Support:

Participation in *FIRST* is not only demanding, invigorating and fun, but financially challenging as well. Our team needs to purchase the *FIRST* Kit of Parts, tools and supplies to build the robot, safety equipment, team uniforms, funding for travel, and more.

Mentorship:

FIRST teams benefit from professional engineers and adult mentors who volunteer their time and knowledge to inspire and teach the participating students. These professionals assist students through the problem-solving process of engineering, team organization, business and sustainability, and reaching team goals.

The Don Bosco Technical Titans welcome mentors from the corporate world, private businesses, and qualified volunteers.



Benefits of Sponsorship:

Why support your local *FIRST* team?

All *FIRST* teams need sponsors! When your company supports a *FIRST* team it will:

- Help to build a technologically literate workforce with strong business skills
- Increase employee volunteerism
- Offer a fun, hands-on experience for employees
- Provide renewed inspiration to company engineers and employees
- Strengthen company reputation in the community
- Will create a pipeline for interns and future employees

FIRST Corporate Sponsors come from industries of all shapes and sizes. All *FIRST* sponsors are critical to building robotics programs that engage students in meaningful STEM education, and every team is grateful for contributions made to them.



“FIRST is an excellent opportunity for our employees to interact with the community and share their talents with today’s youth. We are thrilled to see the impact an engineer’s mentoring time has on the passion of a student considering a career in engineering. It’s truly motivating.”

-Matt Blakely, director, Motorola Solutions Foundation

VI. Sponsorship

Sponsor the Don Bosco Technical Titans

Choose the level of sponsorship that is right for you. The Don Bosco Technical Titans will show their appreciation in the following ways:

Diamond: €45,000.+

- Private demonstration by team at sponsor location
- Sponsor's name/logo given prominent visibility on robot, website, and team uniform
- All of the Platinum benefits

Platinum: €24,000. - €44,999.

- Sponsor's name/logo displayed on our robot
- All of the Gold benefits

Gold: €4,600. - €23,999.

- Sponsor's name/logo displayed on team uniform
- An official team T-shirt
- All of the Silver benefits

Silver: €2,300. - €4,599.

- Public recognition on our team's website that links to your corporate site
- All of the Bronze benefits

Bronze: €500 - €2,299.

- An official acknowledgement from the team suitable for display

Titan-Patron: €50 - €499.

- An official acknowledgement from the team suitable for display

Contact Information:

Principal: Name

Number: 555-555-5555

Email: username@gmail.com

Artwork/Logos Emailed in

Vector Format to:

username@gmail.com

Corporate Support



“Rockwell Collins is proud to have such an important role with FIRST® because we know FIRST® Tech Challenge helps students foster self confidence, team-building, and leadership skills that will make them successful in any future career.”

*- Kelly Ortberg, Chairman, President, and Chief Executive Officer,
Rockwell Collins*



“By engaging tomorrow’s innovators through creative STEM education programs like FIRST, FedEx is building a generation with the vision and critical skills to drive business, research and the non-profit sectors into the future... We’re proud to be supporting a program that helps position the students of today for success tomorrow through practical, skills-based experiences.”

*-Virginia Albanese, president and CEO,
FedEx Custom Critical.*



“I saw the potential to offer students something I didn’t have in high school. This is something that I can do to make a difference in the world.”

*- FIRST mentor Ben Stoner, Office Group sheet metal specialist for
Xerox in Wilsonville.*



For more information please contact:

Don Bosco Technical School, Michel Camp Rd., Tema, Ghana

Principal: Name

Number: 555-555-5555

Email: username@gmail.com



In partnership with The Pascack Pi-oneers, *FIRST* Robotics Competition Team 1676

The 2017 *FIRST* World Champions

www.team1676.com

