

ATTACHMENT A  
Activities of the Organization  
Part II, Line 1

First State Robotics is a non-profit organization based in Delaware that encourages, mentors, and exposes interested students to engineering and related technology careers. The goal of the adult volunteers, experts in engineering, computing, technology and many other fields, is to inspire young people, schools and communities with an appreciation of science and technology, and how mastering these can enrich the lives of all.

Our mission and purpose:

- Inspire and motivate young people to pursue science and technology careers and become confident, self-reliant, responsible citizens poised to make a real difference in our world using a fun, creative, and unique environment that extends learning beyond the classroom.

Major activities, present and planned:

- The Miracle Workerz team. 70%
  - a) This team is composed of high-school students. The team's purpose is to design and build a robot to compete in the F.I.R.S.T. (For Inspiration and Recognition of Science and Technology) national robotics competition. The competition shows students that technology fields hold many opportunities and that the basic concepts of science, math, engineering, and invention are exciting and interesting. The students design and build the robot under the guidance of the adult volunteers, and every student will be required to participate in supporting activities such as recruiting, publicity and fund-raising. Additionally, the team organizes and hosts a local off-season competition for other F.I.R.S.T. team to introduce new students from all the teams to the program
  - b) Beginning in September, once a week for a 4-month period, the basics of engineering, programming, and project management are taught. January through April, various sub-teams (electrical, programming, mechanical, fund-raising, publicity, scouting, web-team, etc.) meet four days a week for 16 weeks to build the robot and attend competitions. Supporting activities occur at various times throughout the calendar year. The off-season competition is held in October, and planning for it begins the previous May.
  - c) The adult mentors coordinate and mentor the students during the design and building of the robot. The team will typically attend three competitions in March and April each year, one local and two out-of-state. The adults chaperone and assist at the competitions, and advise the students on schooling, careers, and further education. Both adults and students assist with the organization and administration of the off-season competition.
- Lego League - 30%
  - a) This league is for middle-school students, who form teams that design and builds computer-controlled Lego® robots. For many of these students, this is their first hands-on exposure to technology. First State Robotics mentors many of the teams, and organizes and runs the official Delaware State championship competition.

- b) The teams are formed in May and become familiar with the basics until September when the objective of the game is released. From September until the final competition in January, the students and adult mentors build and practice until all team members are confident in their abilities.
  
- c) First State Robotics devotes time during the state championship by organizing the event, anchoring sponsorships, providing publicity, team registration, and training students from Miracle Workers to be judges. The adult mentors provide leadership and volunteer in many positions during the competition.