

## **ROBOTICS COMMITTEES 2020-2021**

**Join one or more of our committees and get started in robotics!**

**Apps** - Develop iPhone and Android apps tailored to our team and the FRC community using React Native or Xcode. This includes our scouting app, safety app and iMessage sticker pack.

**Awards** - Work with team mentor to complete applications for competition awards; collaborate with other students to produce five printed team books representing team activities and accomplishments; collect and analyze team data; and, if asked, represent team in judges' interview at competitions.

**CAD** - Work with other students to develop computer-aided designs of the team robot.

**Competition** - Help prepare for competition and provide support at regional events (i.e., setting up and breaking down pit area, running errands, assisting at hotel location and ensuring smooth execution of all plans).

**Design and Building** - Participate in the design and construction of the team's robot using various machines, tools and devices. Assist in the construction of mock-up competition game pieces and items needed for the team's pit at competition.

### **Digital and Social Media**

1. **Digital Media** - Take videos and pictures of the team at work in the shop, during events and at competition. Work with team members and mentors to create video used for the Chairman's Award submission at competitions.
2. **Social Media** - Develop and monitor team's online and media presence through social platforms (Facebook, Instagram) and maintain the team's Facebook page with team mentors. Promote team in other forms of printed media.

**Fundraising** - Work with other committee members and mentors to raise funds for the team. Identify new strategies to raise money or obtain necessary support from donors (in the form of money or goods and services). Run regular bake and pizza sales.

## Outreach

1. **Internal Action** - Identify and help organize activities within the school community to profile the activities of Robotics; collaborate with other clubs and school organizations to improve the school community and the community at large.
2. **Community Action** - Participate in off-site activities to promote STEM and robotics at community events (street fairs), organizations (COPAY) and school events (STEM fairs; elementary, middle and high school visits) both in and out of the district. Conduct workshops concerning disaster readiness in elementary schools.
3. **Charitable Action** - Help organize and carry out activities that link our team with charitable organizations (hospitals, scouting, shelters, charities). Develop strategies to give back to our community, making our team a presence on Long Island. Participate actively in school fundraisers and outreach initiatives -- *Lunch with Santa, St. Baldricks, Midnight Run*.
4. **International Action** - Identify, organize and participate in activities that help to foster STEM activities on a global level and increase our team's profile.

**Merchandising** - Design, purchase, publicize and sell team merchandise (clothing, accessories and other items). Maintain inventory of merchandise and initiate re-ordering as needed.

**Programming** - Work with mentor and other students to program the robot to achieve the competition's goals.

**Promotion and Spirit** - Work with other committees and team mentor to help promote the efforts of the team within and outside the school environment. Design and make signs, buttons and handouts. Organize spirit/promotion efforts at competitions.

**Safety** - Work to monitor and improve safety in the shop and at competitions. Track First Aid/AED/CPR certification for team members. Reach out to other FIRST teams and the community to promote safety and physical/mental wellbeing.

**Scouting** - Analyze and utilize team data before and during competitions to identify compatible teams for playoffs. Develop strategies for competition game matches. Speak with teams at competitions to build collaborative relationships and to identify potential technical items/systems on other robots that our team can use in the future.