

# ***Lettering Requirements***

Lettering for The Robettes means that, as an individual, you went above and beyond routine expectations. The individuals that letter took on extra tasks to help the team achieve its many goals. Students that letter are expected to show competency in the following eight categories.

## **COMMITMENT & ENGAGEMENT**

- 1) Participate in approximately 80% of scheduled sub-team sessions during the build season (about 12 hours per week) for Electrical, Mechanical, Programming subteams and an equivalent number of hours in the fall/build season for Business subteam. (Mentors will take attendance for their sub-team). Students may receive hours for hours outside the scheduled meeting times but must be approved by a mentor.
- 2) Attend team competitions.
  - a) Two FRC regional competitions - the majority of the event based on sub-team OR
  - b) One FRC competition and two mini competitions (1 day each) (MRI and Week 0)
- 3) Meet all expectations on the student list (Outlined on pg. 7 of handbook).
- 4) Full attendance at all mandatory meetings.
  - a) Challenge Kickoff
  - b) Open House
  - c) Sponsor event - projected for end of competition season

## **LEADERSHIP & PROJECT MANAGEMENT**

- 5) A key skill in the engineering and business world is project management. Distinguish yourself as a leader where you plan and carry out a project that has significance for the team. This nature of this project is expected to increase for returning letterwinners. Check with mentors prior to starting. Examples include the following:
  - Captain(s)
  - Team Lead
  - Group Project - CAD, Awards, Safety, Design log, fundraising, website etc

## **COMMUNICATION & OUTREACH**

- 6) The strength of the team is judged on how well teammates can explain what we do as a team, with our Robot and of the FIRST organization. Robettes are expected to practice this at meetings, by explaining current challenges and successes to each other. Having an ability to explain many of the competition-robots features

by the time of the competition is a key example of this. Take time to learn and share this information at competitions and outreach events.

- 7) Participate in 2 of the following:
- Participate in 'spreading the word' event (i.e. State Fair, STEM Day, SMM Science Day, Mentoring, News and Radio programs)
  - Participate in a fund raising event
  - Complete special mentor directed project
  - Mentor an FLL Team (TWO meetings).

### **STEM & BUSINESS SKILLS**

- 8) Demonstrate a proactive effort to improve your technical abilities, business skills, and general knowledge. Acquire and improve skills in mechanical, electrical/CAD, programming or business (includes individual projects, camps, Splash, Swerve). Returning letterwinners are expected to demonstrate growth and sophistication in their work. Check with mentors prior to starting.

### **LETTERING APPLICATION**

At the end of the build season, mentors will decide on which students letter based on attendance, performance and an application. Expectations for repeat letterwinners will increase to demonstrate growth. Letter will be based on the following:

- Categories 1, 2, 4, and 7 - based on attendance
- Categories 3 and 6 - based on mentor and captain observations at meetings and competitions.
- Categories 5 and 8 - based on a evidence or documentation submitted by the student that provides evidence of leadership, project management and skills.  
NOTE: Time and effort should not be heavily focused on the "look" but should reflect the learning process.