



Red Raider Robotics - Team 578

Student Application 2016/17



Deadline for Application: September 27, 2015 at 5:30pm

Please take a few minutes to fill out this application to be a part of R³ – Team 578. The team participates in numerous events throughout the year with the most time commitment during January through March. There are many factors to consider when joining the team and we hope that you carefully consider these prior to submitting the application. Here are a few things you should know:

- Application must be **COMPLETELY** filled out on or before the above due date. Any applications received past this date will not be accepted. That student will need to wait until the following year to reapply for the team.
- If an application is turned in without being completed, said application will be rendered null and void, thus preventing the student from joining the team until the following school year.
- If this application is difficult for you to fill out, please speak with a faculty advisor or mentor immediately.
- Should you have any questions or concerns about the application or the completion of it, do not hesitate to contact the Flagship Board, the faculty advisors or lead mentor about your concerns.

Student Full Name: _____ Veteran _____ New _____

Grade: 9th _____ 10th _____ 11th _____ 12th _____

Nickname: _____ Student Email: _____

Home Address: _____ Student Cell #: _____

Home Telephone: _____ Birthdate: _____

Parent/Guardian Name(s): _____

Parent/Guardian Phone Numbers: Mother: _____

Father: _____

Parent/Guardian Email Address: Mother: _____

Father: _____

Medical Insurance Company: _____

Student Physician: _____

Student Experience:

Rate your experience/proficiency in the following areas; low, medium, or high.

Skill Area	Low	Medium	High
Accurate Measuring with a Ruler			
General Hand Tools			
Power Drill (hand)			
Drill Press			
Band Saw			
Sanders (power & hand)			

Welding/Soldering			
CAD - program			
Electronics			
Drive Train			
Software Design			
Graphic Design			
Project/Event Management			
Marketing/Promotions			

Teacher Recommendation (ALL STUDENTS):

Please ask a teacher you currently or have had in the past to share their thoughts on how you would benefit and/or be an asset to Red Raider Robotics. This recommendation should only be 2-4 sentences long. Please make sure that they sign where indicated.

Cooperating teacher –

Thank you for taking the time to share your thoughts about this applicant to the robotics team. This student will be in touch with you at least two times during the school year to let you know what the club is doing and when our upcoming competitions are taking place. Thank you for your support of Red Raider Robotics!

Teacher Signature: _____

For ALL Students to Complete:

Which sub-team(s) would you like to be part of? (Each member of Team 578 will be cross-trained in at least 2 sub-teams)

Choices: 1st _____ 2nd _____ 3rd _____

- **Structures:** Designs & builds the mechanisms of the robot that play the game.
- **Drive Train:** Builds the basic frame and designs/assembles the components that allow the robot to move. Also designs and makes the bumpers to protect the robot.
- **Electronics:** Wires semiconductors and logic controllers along with drive system sensors.
- **Software:** Designs and creates code (in Java) that controls the robot in both autonomous and wireless modes.
- **Sparketing:** Maintain and improve the team so that it functions cohesively, works on maintaining relationships with other FIRST teams, creates cheers & dances, etc. Creates and maintains the team's media, such as the team website, social networking, photos, etc. Oversees sponsor relationships and team branding
- **Awards & Presentations:** Prepares all essays and presentations for the judges and our sponsors.
- **Strategy:** Analyze and develops game strategies, organizes scouting of other teams, and helps the drive team with alliance selections based upon data.
- **Safety:** Makes sure that the team is OSHA and FCSD compliant in all work areas and monitors team members/mentors for safe practices and emergency preparedness. Tasks include maintaining inventory of first aid kit(s), issuing safety reminders and monitoring the pit during competitions for safety and crowd issues.

During the build season (January through March) which days/nights you **CANNOT** commit to:
Monday: ____ Tuesday ____ Wednesday ____ Thursday ____ Friday ____ Saturday ____

FOR NEW MEMBERS ONLY:

1. Why you want to join Red Raider Robotics? What do you hope to gain by joining Red Raider Robotics? Be specific about skills, experience, and/or knowledge. This section should be between 3-5 sentences long.

2. What specific skills and/or experience will bring to the team? Your skills/experience does not necessarily have to be related to technology but can only serve to help you. What you contribute to the team can be other skills/traits such as a willingness to learn, creativity, leadership, etc.

3. How do your passions or interests connect to Robotics?

FOR VETERAN MEMBERS ONLY:

1. What is Gracious Professionalism? List at least three (3) examples you have witnessed or have exhibited over the past year.

2. What did you learn on your sub-team last year? How can you contribute what you learned to the team to improve Red Raider Robotics? (Can be skills/lessons such as a willingness to learn, creativity, leadership, etc.).

3. What suggestions do you have to improve Red Raider Robotics this year? Be specific.

4. How will you mentor other team members, LEGO teams, and/or new team members? List the skills/experiences that you can share with these individuals.

FOR PARENTS TO COMPLETE:

We would like to encourage family involvement with our team and therefore are asking each parent/family to share their skills with the team. **We also ask that each parent/guardian volunteers to help run at least one activity during the school year.**

Please fill in the chart below with the areas where you feel you can help out our team. We really appreciate all of your support in your child's participation in Red Raider Robotics!

Name:		Name:	
Art Projects		Art Projects	
Car Pooling		Car Pooling	
Communications (Phone Tree)		Communications (Phone Tree)	
Design		Design	

Electronics		Electronics	
Engineering		Engineering	
Event Coordinator		Event Coordinator	
Guest Speaker		Guest Speaker	
Marketing		Marketing	
Mechanical		Mechanical	
Publicity		Publicity	
Sewing		Sewing	
Team Meals		Team Meals	
Team Snacks		Team Snacks	
Travel Coordinator		Travel Coordinator	
Other:		Other:	

Team Requirements & Commitment:

In order to participate on the Red Raider Robotics team there is a substantial time commitment for all of its members. You must:

- Maintain your grades and attendance in school.
- Follow “Blue Sheet” guidelines at all times.
- Adhere to FCSD Code of Conduct.
- Adhere to Team 578 Student Handbook and FIRST Core Values.
- Participate in all events with a positive attitude.
- Be an active part of your sub-team.
- Be a positive role model and mentor for other teams, LEGO teams, new/other team members.
- Participate in team activities, workshops, build nights, community service, fundraising, etc.
- Maintain 80% participation in scheduled meetings/events.
- Attend Synergy meetings & workshops (April through December).
- Attend mandatory Build Season work sessions from January through March.
- Have fun and gain knowledge from your experience.

I have read and completed the Red Raider Robotics Application. Being a part of the team is a privilege and in order to participate in any regional competitions I must comply with all of the expectations listed above. If I do not, I will not be included in any competition, scrimmage or team event.

Student Name (please print); _____ Date: _____

Student Signature: _____

I have read and completed the “Parent” section of the Red Raider Robotics Team Application. I understand that the team needs parent support and am willing to help by volunteering during the season.

Parent Name (please print); _____ Date: _____

Parent Signature: _____