

mills robotics team

1 _____
Student ID# - **IMPORTANT**

Congratulations on your decision to apply to the Mills High School Robotics team! You're one step closer to immersing yourself in the world of engineering, community involvement, and the FIRST National Robotics Competition. Here are the steps you need to take:

- Step 1:** Fill out this application.
- Step 2:** If you pass step 1, we will contact you to schedule an interview.
- Step 3:** Attend the orientation meeting (we will contact you for this too)

2 Biographical / School Information

Circle the appropriate response:

Sex: M F

Grade: 9 10 11 12

Please fill in your current class schedule:

| | Class | Room # | Teacher |
|-----|-------|--------|---------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 0/7 | | | |

3 Clubs / Extracurricular Activities

What other clubs or groups are you a member of? Indicate if you hold any office position.

Please list any jobs you have or non-school organizations you are a member of.

Are you in 6th period athletics? If yes, please indicate your sport each season.

No Fall _____

Yes Winter _____

 Spring _____

Are there any hobbies or interests you'd like us to know about? What do you do in your free time?

mills robotics team

4 General Information

Note: Questions regarding general information have been purposely placed on page 2 of the application to eliminate any bias while reviewing applications.

| | | | | | |
|----------------|--|--------|--------|-----------------------------------|-----------------------|
| Last Name | | First | Middle | Primary Phone Number | |
| Number | | Street | | Secondary Phone Number | |
| City | | ZIP | | ICQ UIN# | AIM / AOL screen name |
| E-Mail Address | | | | Any other means of contacting you | |

5 Disclaimer

Participation in the FIRST National Robotics Competition and membership in the Mills Robotics Team demands a significant amount of dedication and time commitment. Depending on the area they get involved in, students may spend between ten and fifteen hours a week. In addition, members must possess a high level of responsibility and maturity. They may be working around large machinery. For this reason, we are requesting that a teacher and parent vouch for each applicant.

To the teacher:

I can personally vouch that this student possesses the level of maturity and responsibility necessary to work in an intense team environment and to be accountable for his/her actions.

| | | |
|--------------------------------------|----------------------------|---------------|
| _____ Teacher Name (please print) | _____ Teacher Signature | _____ Date |
|--------------------------------------|----------------------------|---------------|

To the parent:

I understand that a great deal of time commitment and dedication will be required of my son / daughter. I also vouch that my child will act in a responsible and mature manner.

| | | |
|-------------------------------------|---------------------------|---------------|
| _____ Parent Name (please print) | _____ Parent Signature | _____ Date |
|-------------------------------------|---------------------------|---------------|

To the student:

I understand that I am to act in a responsible and mature manner and will exercise safety and caution when I work in shop environments. I also am aware and am willing to exercise a high level of dedication and commitment.

| | | |
|--------------------------------------|----------------------------|---------------|
| _____ Student Name (please print) | _____ Student Signature | _____ Date |
|--------------------------------------|----------------------------|---------------|

mills robotics team

6

Student ID# - **IMPORTANT**

7 Questionnaire

The following are some of the major areas the team will be getting involved in. Please indicate ones in which you have previous experience and/or skill in (if any). Although not a requirement, it does help to have some people who have experience in these areas.

- | | |
|--|--|
| <input type="radio"/> Artwork (logos, banners, fliers, etc.) | <input type="radio"/> Public relations (speaking, writing, etc.) |
| <input type="radio"/> Computer Aided Design (CAD) | <input type="radio"/> Video recording / editing |
| <input type="radio"/> Computer Animation | <input type="radio"/> Metal working |
| <input type="radio"/> Electronics | <input type="radio"/> Wood working |
| <input type="radio"/> Web publishing / graphics | |

Please indicate the areas you are interested in learning more about or getting involved in, regardless of your current skills in the area.

- | | |
|--|--|
| <input type="radio"/> Artwork (logos, banners, fliers, etc.) | <input type="radio"/> Public relations (speaking, writing, etc.) |
| <input type="radio"/> Computer Aided Design (CAD) | <input type="radio"/> Video recording / editing |
| <input type="radio"/> Computer Animation | <input type="radio"/> Metal working |
| <input type="radio"/> Electronics | <input type="radio"/> Wood working |
| <input type="radio"/> Web publishing / graphics | |

Please write a paragraph or two answering these questions.

- Why do you want to join the Mills Robotics Team?
- Why should we pick you instead of another applicant?

8 Finale

Congratulations! You're done! Now turn this application into the box in the office. If you are selected, we will contact you to schedule an interview. Thank you for applying!

mills robotics team

About the Mills Robotics Team and the FIRST National Robotics Competition

Congratulations on your choice to apply to the Mills Robotics Team. This year's team will consist of approximately 50 Mills High School students, 6-8 teacher advisors, and several engineers. The Mills Robotics Team, founded in 1997, is an organization that lets Mills High School students from all grades dive into the world of engineering, design, business and other areas not usually stressed in a normal high school curriculum. We work with engineers, teachers, and parents in a team environment in order to give each student the chance to grow in just about every way imaginable. Emphasis is especially put on working in a team, helping your peers develop, while learning yourself.

Although the construction of the robot is an important step in the project, it does not constitute the majority of the work. Our team will:

- raise money for the robot by making presentations to corporate sponsors as well as other sources
- design and organize promotional and advertising materials (posters, banners, logos, fliers, brochures, etc.)
- construct CAD models and physical prototypes
- learn to follow the engineering process and environment while planning and revising ideas, goals, and time schedules
- work with metals and electrical components in a metal shop
- have an opportunity to compete in the national competition in Orlando, Florida where hundreds of teams gather each year in a spirit of teamwork and camaraderie

The final product of the project is not only a robot designed and constructed completely by Mills students, but a new understanding of the engineering field and the skills involved.

The parent's role is to help and encourage their child in every way possible. Because of the work schedules, and more often the sheer amount of work that must be completed in a certain timeframe, it will be a challenge to balance working on the team and doing homework. We will try to alleviate the pressure by creating work schedules and flexible time frames. The students will be required to put in a minimum but reasonable number of hours after school, during weekends, and occasionally during school when permitted. Although some students will have more responsibilities than others, every student is encouraged to try their hardest and give the team and the project their individual best.

The project and competition are big. Very big. An organization called FIRST (Foundation for the Inspiration and Recognition of Science and Technology) facilitates the competition every year in conjunction with several large companies. Since the first year with 30 teams, the competition has exploded into a multi-million dollar project giving students all over the United States and Canada the chance to participate. There were over 200 teams last year, and this year it is expected to grow to about 300.

Throughout the school year, students will participate in training courses and activities preparing them for the competition. Fundraising and public relations activities begin in late November while robot construction begins in January. Final computer animation work begins in late February.

For more information about FIRST and the Mills Robotics Team, visit our web site at

<http://www.rc-net.com/robot> or e-mail us at teamthemis@hotmail.com