

Reagan Robotics JV Team

Application Packet for 2019-2020

Thank you for your interest in the Reagan Robotics Team. Students will work in small teams to design, build and program a robot using the VEX Robotics platform. Robotics is a sport for the mind; it blends applied physics, mathematics, programming, prototyping and design, integrated problem solving, teamwork and leadership. Successful Robotics students work well under pressure and work well with others. As with any team, space is extremely limited and highly competitive. It is my deep regret that we cannot accommodate all the students who wish to participate in Robotics.

This year I have decided to develop a Junior Varsity (JV) team that will be used to develop the skills necessary for a Varsity level team. The difference between the two levels is that the Varsity will travel to competitions and JV will not. Students on the JV team will be observed during their practice time. Those students who demonstrate the skills necessary for Varsity level could be asked to move up during the year to be placed on a competitive team.

I ask all prospective Robotics students and their parents to review the information below and on the website before they decide to apply for Robotics. Please be aware that this is a big commitment. The JV robotics season will run from October, 2019 through May, 2020. Being a member of the Robotics team is not a right but a privilege.

The applications (pages 2-6 of this packet) must be turned in by 3pm on Sep 16, 2019 to Mrs. Silva, Robotics Coach (Tech Ed-Room 1322). **Late applications will not be accepted.**

Students need one STEM teacher or Robotics coach recommendation. If they have been on a robotics team in the past, please ask your previous coach or a former STEM or SIGNET teacher.

Important Information about Reagan Robotics:

- Practice will be from 3-5pm on Wed. of each month in Mrs. Silva's Classroom (RM 1322). All students must be picked up at 5:00pm. There is no an activity bus.

Important Websites

- VEX Robotics Tower Take Over Game Manual: Students should be familiar with the game rules and watch the game video: <http://www.vexrobotics.com/vexedr/competition/competition-resources>
- VEX Forum: <http://www.vexforum.com/>
- VEX Robotics: <http://www.vexrobotics.com>
- Reagan Robotics Page: <https://rrmsrobotics-team6568.weebly.com/>

Reagan JV Robotics Student Information Form

Student Information

Name (First Last) _____

Parents/Legal Guardian

Name: _____

Address: _____

Relationship to Student: _____ Home Phone: _____

Cell Phone: _____ Work Phone: _____

Email: _____

.....
.....

Name: _____

Address: _____

Relationship to Student: _____ Home Phone: _____

Cell Phone: _____ Work Phone: _____

Email: _____

In case of emergency, what is the best number to call?

Parent/Guardian Name: _____ Phone: _____

Name: _____

Please answer the following: Feel free to use the back of the paper to further explain your answers if needed.

What is your favorite class? _____

Why?

What do you like to do in your free time?

Have you participated in VEX or VEX IQ Robotics before? **YES / NO**

If yes, # of years _____ what school? _____

Have you participated in FIRST LEGO League before? **YES / NO**

If yes, # of years _____ what school? _____

Do you have any programming experience? **YES / NO**

If yes, which languages? _____

Do you play or plan to try out for a sport for Reagan? **YES / NO**

If yes, what sport(s)? _____

Are you involved in any other clubs/activities (in or out of school)? **YES / NO**

If yes, which one(s)? _____

Have you attended any STEM or Robotics Camps? **YES / NO**

If yes, which one(s)? _____

There are many roles and areas of responsibility on a robotics team, what areas are of the greatest interest to you? Please only select 5 areas and label them 1 thru 5 for most important to least important.

Robot:

- _____ Mechanical
- _____ Design
- _____ Programming
- _____ Engineering Notebook

Business Administration:

- _____ Student Leadership
- _____ Marketing
- _____ Community Outreach

Digital Arts:

- _____ Web site
- _____ Online Challenges
- _____ Videography
- _____ Photography
- _____ CAD (Autodesk Inventor)

Competition:

- _____ Drive Team
- _____ Pit Crew
- _____ Scouting
- _____ Team Spirit

Name: _____

Students please write in your answer (do not type) to the following questions. You may use the back if necessary. Please take the time to really think about your answers. Your answers should display how passionate you are about joining robotics.

Why are you interested in joining the Reagan Robotics team?

Explain why you think you would be a good fit for the Reagan Robotics team and what you would contribute to the team.

What do you hope to gain from this experience?

If you have any previous robotics experience (including summer camps or workshops), tell us about it. Be as specific as you can, including your past roles on the team. If you don't have any, that's OK, you have to start somewhere!

STEM or SIGNET Teacher Recommendation Form

Reagan JV Robotics Team

Student: _____ Class Taught: _____

This student is applying for the Reagan Robotics team. Successful students are those who are innovators, critical thinkers, relish a challenge, are able to focus for extended periods of time, and are willing to work collaboratively on tough problems.

Please evaluate this student based on the following assessment by circling your score. Thank you for your time in evaluating the student.

Recommendations may be sent directly to Mrs. Silva at Reagan MS, in a sealed envelope given to the student signed across the seal or placed in Mrs. Silva's school mailbox. You may also scan the form and email it to silvae@pwcs.edu. Recommendations are due back by May 31st.

Score of 10: Very much like this (high)

Score of 1: Not at all like this (low)

1. **Respectful:** shows respect towards adults, students and equipment.

10 9 8 7 6 5 4 3 2 1

2. **Problem solver:** interested in and intrigued by solving problems.

10 9 8 7 6 5 4 3 2 1

3. **Communication skills:** verbal, writing and public speaking.

10 9 8 7 6 5 4 3 2 1

4. **Curious mind:** wants to learn, wants to know why and how.

10 9 8 7 6 5 4 3 2 1

5. **Self-controlled:** able to maintain focus and attention.

10 9 8 7 6 5 4 3 2 1

6. **Reliable and Organized:** completes assignments in a timely manner; doesn't need to be "baby-sat."

10 9 8 7 6 5 4 3 2 1

7. **Collaborative:** willing to contribute ideas, and willing to listen to and consider ideas from others.

10 9 8 7 6 5 4 3 2 1

8. **Initiative and Motivation:** self-starter, wants to get things done.

10 9 8 7 6 5 4 3 2 1

Please write any additional thoughts that will give more insight into how this student thinks and performs.

Teacher name (printed): _____ School: _____

Signed: _____ Date: _____

Robotics Coach Recommendation Form

Reagan JV Robotics Team

Student: _____ Robotics Team/School: _____

Robotics Platform: _____

This student is applying for the Reagan Robotics team. We would like to learn more about this student from you their former Robotics coach. Please evaluate this student based on the following assessment. Thank you for your time in evaluating the student!

Recommendations may be sent directly to Mrs. Silva at Reagan MS, in a sealed envelope given to the student signed across the seal by the recommending coach. You may also scan the form and email it to silvae@pwcs.edu. Recommendations are due back by May 31st.

Score of 10: Very much like this (high)

Score of 1: Not at all like this (low)

1. **Respectful:** shows respect towards adults, students and equipment.

10 9 8 7 6 5 4 3 2 1

2. **Problem solver:** interested in and intrigued by solving problems.

10 9 8 7 6 5 4 3 2 1

3. **Communication skills:** verbal, writing and public speaking.

10 9 8 7 6 5 4 3 2 1

4. **Competitive:** wants their team to do their best, willing to put in the time and effort.

10 9 8 7 6 5 4 3 2 1

5. **Self-controlled:** able to maintain focus and attention, does not need to be baby-sat.

10 9 8 7 6 5 4 3 2 1

6. **Reliable and Organized:** good attendance at practices and competitions, completes tasks on time.

10 9 8 7 6 5 4 3 2 1

7. **Collaborative:** willing to contribute ideas, and willing to listen to and consider ideas from others.

10 9 8 7 6 5 4 3 2 1

8. **Initiative and Motivation:** self-starter, wants to get things done, did have an active role on the team.

10 9 8 7 6 5 4 3 2 1

What Role(s) did this student have on the team?

Please write any additional thoughts that will give more insight into how you think this student will perform on a middle school robotics team or on their past performance. Feel free to use the back as well.

Robotics Coach (printed): _____ School: _____

Signed: _____ Date: _____