

Reagan Robotics Team

Application Packet for 2019-2020

Thank you for your interest in the Reagan Robotics Team. The Robotics team is a competition based extracurricular activity. Students will work in small teams to design, build and program a robot using the VEX Robotics platform to compete in tournaments against other middle and high schools. Robotics is a sport for the mind; it blends applied physics, mathematics, programming, prototyping and design, integrated problem solving, teamwork and leadership. Students who are successful in robotics must 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.

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 robotics season will run from August through February and sometimes into May. Being a member of the Robotics team is not a right but a privilege.

The applications (pages 2-8 of this packet) must be turned in by 3pm on Monday September 16, 2019 to Mrs. Silva, Robotics Coach. **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 otherwise ask a STEM or SIGNET teacher.

Important Information about Reagan Robotics:

- Practice will be from 3-5pm on Tuesday, Thursday and one Friday a month from 3:00-5:00 in Mrs. Silva's Classroom (RM 1322). All students must be picked up at 5:00pm. Practices will begin on Aug. 6th.
- Students on the team will also be required to mentor the JV team of 6th graders. The mentoring portion will be rotational and be held on Wednesdays. (Rotation Schedule TBD).

Required items:

- **Activity Fee of \$100** – To help cover the cost of equipment and registration fees for competitions. The activity fee will be collected once the team is formed, DO NOT SEND IN with the application.
- **Safety Glasses** - Robotics members must wear safety glasses during practices & competitions!
- **Reagan Robotics T-shirt** - required team uniform for all external events, cost about \$15.

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/>

Important Dates – TBD (Dates are subject to change and additional events will be added)

- Parent Meeting(s)
- Dec., Jan., Feb., Competitions
- VA State Championship
- World Championship

Reagan Robotics Student Information Form

Student Information

Name (First Last) _____

Rising Grade Level (2019-2020 school year): 7th 8th

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: _____

Email Distribution List:

We maintain an email list to disseminate information to the team regarding announcements and events. Please list the preferred email address(s) for team announcements:

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.

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!

Robotics Team Parent/Student Contract

- I understand that as a member of the Reagan Robotics team, I represent the team and Reagan Middle School at all events and my conduct and language must be appropriate, I will adhere to the PWCS Code of Conduct.
- Attendance at practice is mandatory. In the event that I will miss a meeting Mrs. Silva should be contacted, preferably in advance. Repeated unexcused absences may be dismissed from the team. Robotics requires commitment and discipline and dedication from all involved. If I miss a practice have no say in decisions made while they were absent.

- Extended practices or additional workdays will be scheduled as needed to ensure robots are ready for competitions. Details of such events will be posted in advance and discussed at team meetings.
- I understand school is my top priority. I am expected to maintain ALL grades at no lower than a C, with at least an S in conduct and work habits. If I receive a grade lower than a C, or a conduct/work habits grade of U or has been suspended I will be dismissed from the team.
- I will show respect to my teammates, coaches, mentors and equipment at all times. If I causes willful destruction to robotics equipment, who have difficulty working cooperatively with teammates or mistreats another student or adult through verbal or physical altercations will be dismissed from the team.
- I understand that while Robotics team build sessions are fun, participation requires a high level of mental focus and energy. I will contribute at the highest level even after a long day at school.
- I understand that there are many roles on the team and that I may not have “hands-on” the robot every day, especially during my first year on the team.
- I must wear safety glasses at all practice & competitions!
- I will not use my cell phone during practice except for robotics related activities such as photos, research, and team communication. Excessive texting, watching videos or playing games is not permitted during robotics.
- Competitions occur at various locations on Saturdays. Parents will need to provide transportation to and from these events. We recognize that students have many obligations; however, students who make the team are expected to attend these events.
- The program will be extended for Teams that qualify for the State and/or World Championships.
 - Virginia State Championship (TBD)
 - World Championships (TBD).
- If the team earns a spot to the World Championships, each student is responsible for paying for their trip costs (travel, hotel and food). A reasonable estimate is \$1200 per student.
- Activity fees are \$100 per year; this will go towards the registration fees for competitions and materials needed to support the team. I will also need to purchase a team t-shirt about \$15 which is required for all events. The activity fees and t-shirt sales will be collected in the fall and are non-refundable if I leave the team for any reason.
- Students and adults are expected to adhere to the VEX Robotics Code of Conduct and the following behavior and ethical standards at all REC Foundation sanctioned events:
 - Act with integrity, honesty, and reliability
 - Behave in a respectful and professional manner with event staff, volunteers, and fellow competitors
 - Exhibit maturity and class when dealing with difficult and stressful situations
 - Respect individual differences
 - Follow all rules as listed in the current game manual(s)
 - Student-centered teams with limited adult assistance
 - Safety as a top priority
 - Good sportsmanship, which includes supporting your alliance partners

These expectations apply to all team members and all adults associated with a team including, but not limited to, teachers, mentors and parents.

Student Signature _____ **Date:** _____
Parent Signature _____ **Date:** _____

VEX® ROBOTICS COMPETITION EVENT

CONSENT, RELEASE, HOLD HARMLESS

AND AUTHORIZATION TO REPRODUCE PHYSICAL LIKENESS

This is a Consent, Release of Rights, Hold Harmless and Authorization Agreement ("Agreement") between the VEX® Robotics Competition, the Robotics Education and Competition Foundation, Inc., ("REC Foundation"), VEX Robotics, Inc., and officers, directors, employees and Designees of each (collectively, "VEX"), and Participant (collectively referred to herein as "I", "me", "my" and "Participant"). "Designees" includes those persons or entities (including third-parties not affiliated with VEX) managing, contracting, sponsoring, hosting, conducting, evaluating or publicizing (including individuals and third-party entities working with VEX in print, publication, television, broadcast or video media) the VEX Robotics Competition. As used in this Agreement, Participant shall mean any individual, Parent or Guardian of a Participant under 18 years of age, student, mentor, teacher, volunteer, or other person or entity involved in a VEX Robotics Competition event, including, without limitation, the VEX World Championship Event ("Event" or "Events").

In consideration of my participation in one or more Events, I agree to the following:

I recognize that there may be risks associated with attending and/or participating in an Event, including, without limitation, risks inherent in the construction and/or operation of robots, working with electrical connections, operating or handling tools or sharp objects, traveling to and from events, and participating in public competitions. These risks include the risk of injury (including without limitation, serious bodily harm and even death) and property damage. Being fully cognizant of the risks in participating in any such Event, I hereby fully and willingly assume those risks. To the fullest extent permitted by applicable laws, I HEREBY WAIVE ANY CLAIMS OR CAUSES OF ACTION which I may now have or hereafter arises against VEX relating to or connected to my participation in any Event (including, without limitation, the VEX World Championship Event), and I will indemnify and hold harmless VEX against any and all claims against any such entity or person resulting from same.

I HEREBY RELEASE VEX and each of its respective employees, officers, directors, successors, assigns, affiliates, parent companies, licensees and agents from any and all claims, demands, liabilities, damages, costs and expenses, attorneys' fees, other professional fees and expenses, including, without limitation, negligently failing to adequately investigate or screen coaches, mentors, volunteers, etc., any claims for compensation, defamation, or invasion of privacy, or other infringements or violations of personal or property rights of any sort whatsoever that I may now have or hereafter may arise against VEX in connection with my participation in any Event.

In the event I should sustain any injuries or illness while attending and/or participating in an Event, I hereby authorize VEX to administer, or cause to be administered, such first aid or other treatment and such medications as I may possess, as reasonably necessary under the circumstances, including, without limitation, treatment by a physician or hospital of VEX's choice.

Participant understands that photographs, videotapes, and other recordings will be made of participants at such Events, including the Participant.

Participant consents to those photographs, videotapes, and other recordings and the use thereof (i) as part of a record of the Event and (ii) in promotion of VEX, the REC Foundation and other Events. I further acknowledge that any works made by or for VEX ("Works") to be "works made for hire," under applicable copyright laws, and to the extent I have or may claim any rights in or to such Works, I hereby grant to VEX any and all such rights, including, without limitation, the right to use or sub-license these Works in any and all media, now known or later discovered or developed, and in all forms and for all purposes, including without limitation, advertising and other promotions for any VEX Events, without any further consideration due to me or any limitation whatsoever.

This Release shall be binding upon my heirs, personal representatives, and me. THIS RELEASE SHALL BE GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE STATE OF TEXAS, WITHOUT REGARD TO CONFLICT OF LAWS PRINCIPLES. VENUE

FOR ANY LEGAL ACTION SHALL BE IN HUNT COUNTY, TEXAS. This Agreement constitutes the entire agreement among the parties hereto with respect to the subject matter hereof and supersedes any and all previous agreements among the parties, whether written or oral, with respect to such subject matter.

I UNDERSTAND THAT THIS FORM INVOLVES A RELEASE OF LEGAL RIGHTS.

Signature of Participant if 18 years of age or older or Parent/ Guardian if Participant under 18 years

Printed name of person signing *Date*

Participant Name (full legal name): _____

If Participant is under 18 years of age, Parent/Guardian (full legal name): _____

Participant Date of Birth if under 18 years of age [MM/DD/YYYY]: _____

Participant Address: _____

Participant Email (If Participant is under 18 years of age, Parent/Guardian Email): _____

Revised February 7, 2018

STEM or SIGNET Teacher Recommendation Form

Reagan 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 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: _____