



CAVALRY ROBOTICS CLUB STUDENT REGISTRATION FORM



The Cavalry Robotics Club starts in September 2019 for students in 5th-12th grades. The club will meet once a week and as needed with the schedule being set by the coaches. Teams will practice at the St. John's School Robotics facility in Weston. The cost is \$150 per child for the year which includes the cost of the Robot parts, technology and tournament fees. **This form and fees are due by September 6th, 2019. You can drop the form and fees at one of the schools or send to Neumann in an envelope marked "Robotics". To mail your registration form please send to Bishop Neumann, ATTN: Robotics, 202 S. Linden St. Wahoo, NE 68066.**

Parent Name: _____ Student(s) Names: _____

School: _____ Student Grade(s): _____ Student T-shirt size: _____

E-mail Address: _____ Phone Number: _____

Fee: \$150 Per Child _____ (Make checks payable to Cavalry Robotics/Neumann)
Total Fees

1. Would you be willing to serve as a team facilitator / leader? Y / N
2. The Cavalry Robotics Club Board needs volunteers for practices, grants, finances, tournament scheduling, specialty advisor, etc. Are you willing to help with these activities: Y / N
3. Do you know of any companies or individuals who have grants or funds available for a Robotics Club? If so, please contact Marv Wiese at mjwiese@mmm.com.

Robotics Club Information

ROBOTICS CLUBS: The Robotics Clubs competes in VEX EDR which is focused just on Robotics (not other types of environmental programs) and is a program for students in middle school through college. For more information, go to <http://www.vexrobotics.com/vex>.

STUDENTS: Teams will consist of 2-4 students and 1-2 team facilitators / leaders. The teams will meet one time per week for 2 hours from May to April with competitions being held on weekends from October to April. If families have more than one child in the Robotics Club, the parents have the option to have them on the same team if the team members are in the same age group.

TEAM FACILITATOR/SPECIALTY ADVISORS: Individuals who are interested in serving as a Robotics facilitator or advisor don't need special robotics training - any type of computer, electronics or technical background is helpful but not required. There will be training on the facilitation and advising process for interested adults prior to the season. The team facilitator and advisors help to facilitate the students through the process of building Robots; they should not be building robots. We need 1-2 facilitators for each team.

COSTS: The fee for each student is \$150 per year to help offset the costs of Robots, technology & tournament fees. Fees may vary depending on the club needs.

For more information contact Theresa Dumont Theresa_barger@hotmail.com

Cavalry Robotics Parent Information Sheet 2019-2020

BOARD MEMBERS:

- Marv and Kam Wiese: mjwiese@mmm.com kamwiesecpa@gmail.com
- Matt and Erin Longenecker: mattlongenecker@gmail.com erinlongenecker@gmail.com
- Ken and Theresa Dumont: theresabarger@hotmail.com kduit65@hotmail.com
- Mike Kavan: mikekavan@gmail.com
- Jason Edmunds: Jason.edmunds@nngco.com
- Eva Fujan: efujan@yahoo.com

MISSION STATEMENT: *To provide a positive learning environment for our Catholic youth to learn and become excited about science, technology, engineering and math utilizing the (STEM) approach.*

CLUB GOALS:

1. Have fun and learn about science
2. Build a working robot that meets competition specs and game rules
3. Compete in tournaments

COMMUNICATION: Communication is a key component to a successful club. We will utilize email and text messages as our main method of communicating information to all of our parents. Please make sure we have the correct emails and phone numbers for everyone who needs our information. If you are unable to access email or receive text messages, please let us know so we can get you the information another way. Please let us know if you have any questions/concerns/ideas.

WEBSITES: Here are some of the websites we will use as reference for this year. We will be participating in VEX EDR when you go to these websites click on the links with EDR. www.vexrobotics.com www.robotevents.com
www.roboticseducation.org <http://bishopneumann.com/activities/youth-robotics/>
<http://bishopneumann.com/athletics/catholic-youth-activities-organization/>

PRACTICES: Wednesday's 6-8 pm at St. John's Weston. Individual teams will often set their own practice schedule as needed. We need one adult team facilitator from each team present at all practices.

EQUIPMENT: There will be no equipment that students need to bring to each practice. All safety goggles and ear protection will be provided. Please change out of your school uniform and wear old clothes. Closed toe shoes are also recommended. We have a chop saw, grinder, and some hand held power tools. Our first practice will include a mandatory safety session. If your student chooses to bring their own tools, please make sure they are marked with your name. We cannot be responsible for lost or stolen tools.

UNIFORMS: There are no uniform requirements. Many teams get matching t-shirts, often times with their sponsor logos on the back. Some teams will also come up with costume like attire that matches their name. Example: Mad scientist wearing white lab coats. We have a team T-shirt and each registered student will receive one free. If you would like extra T-shirts for family members please complete the order form provided.

VOLUNTEERS: We have a great group of parents and kids with lots of support shown in many ways. Practices for now are open to parents and anyone who wants to learn along with us about the robotics process. Anyone interested in being on the board or helping with practices please let us know. We need at least one team facilitator from each team present during every practice. All volunteers need to have completed the Safe with Me training through the Lincoln Dioceses. Please see the following link for more information and provide the Cavalry Robotics board with a confirmation that this training has been completed.

<https://bishopneumann.com/wp-content/uploads/2015/03/Safe-and-Sacred-Program-Background-Check-Form.pdf>

TOURNAMENTS: At www.robotevents.com you can find a list of local tournaments and we encourage you to attend as a spectator if your schedule allows. Team participation in competitions will be at the team facilitator's discretion.

FUNDRAISING: We are always open to ideas and suggestions on funding for our club. For more complete details please ask a current board member. Start-up cost for one team is generally in the \$3,000-\$5,000 range. If you have an employer or are willing to make a donation to our club please see a board member.

FEE SUMMARY: \$150 will help cover supplies, T-shirts, and tournament registrations.

ANTICIPATED EXPENSES:

Controllers, kits, brain

Metal

Accessories: claws, wheels, sensors, wiring

Starter kits for new or young students: \$499 per kit

Team registration with Vex: \$100 per team

Regular tournaments: \$50-\$80 per team

Regional tournament: \$100 per team

US Open: \$500 per team

Worlds: \$975 per team

CYAO: Marv Weise and Erin Longenecker are our representatives.