



# Dixon Montessori Charter School

## Dixon Robotics Club

Dear Parents and DMCS Students,

Thank you for your interest in the Dixon Robotics Club. This Spring season our program is aimed at providing an introduction into VEX Robotics to new students grades 5-7. Students will collaborate on a team to build a VEX IQ robot to and maneuver through given challenges. As an introduction, we will have the team work with and practice with last year's competitive field elements.

### Prerequisites

- Loves to build new things.
- Enjoys tackling challenging problems.
- Maintains a positive, persistent, and creative mindset in the face of difficult problems.
- Has a keen interest in science, technology, engineering, math, and programming.
- Willing to be part of a team and work together to solve problems.
- Has passing grades.

### Expectations

- This program will run from February to May 2023. Students must commit to attend the entire practice season.
- Travel arrangements must be made to and from the practices.
- The goal is to have productive meetings. Students should arrive on time and ready to participate. Students should use their time wisely and in a productive manner. If students are not working on building or practicing with their robot, they can be working on coding, writing in their engineer notebook, or learning how to use vex code.
- Students must be able to work comfortably in a team environment by offering potential solutions to difficult problems, participating in constructive analysis of options, and supporting final team decision even when their own ideas are not adopted.

### Requirements:

- Team capacity is limited to 5-7th grade students.
  - ◆ Seats will be filled on a first come first served basis
- Students must pay \$50 - \$100 depending on club needs (Cost will be shared by the team).
  - ◆ Scholarships may be available through the DMCS PTO.
- Students commit to one practice per week (February – May)
  - ◆ Friday afternoons at coach's house (time tbd)

Email Coach Katya Rodriguez at [kvkate1@gmail.com](mailto:kvkate1@gmail.com) for any questions about this robotics program.



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### Application Form

Student Name \_\_\_\_\_

Grade \_\_\_\_\_

Have you participated in a robotics program before? What program, when and how long? What were your contributions? What were some of the difficulties?

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**VEX IQ has multiple jobs for team members. Which job(s) are you interested in?** Typically, a team member usually participates in multiple jobs. Please circle the job/s that interest you.

Job:	Description:
Driver	A team of 2 students is responsible for driving the robot during matches. All team members will practice driving.
Programmer	VEX IQ has a 60 second Skills Challenge. The programmer would write the functions for the robot to do. Every team member will need to know how to program the robot.
Builder	Builders are responsible for building the robot. Everyone on the team will be part of this process.
Engineering Notebook Design	Every person on the team will be responsible for contributing to their team design notebook. This task is where the team records all of their meetings and information in a design notebook.

**\*\* I am committed and able to make all of the practices, and to fulfill all above requirements. \*\***

Student's Name: \_\_\_\_\_ Student Signature \_\_\_\_\_

Parent's Name: \_\_\_\_\_ Parent Signature \_\_\_\_\_

Contact Phone Number \_\_\_\_\_

Email \_\_\_\_\_

The application form is due to Coach Katya Rodriguez on Wednesday, February 1, 2023 at [kvkate1@gmail.com](mailto:kvkate1@gmail.com).

NOTE: Parent/student information zoom meeting will be announced shortly.