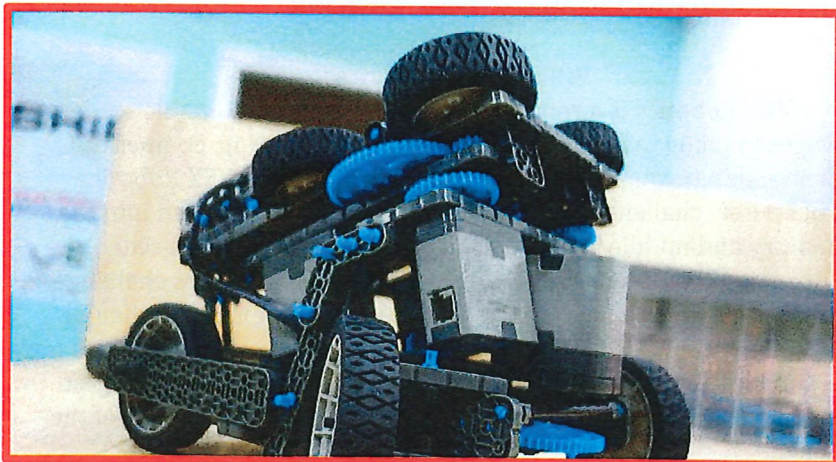### What Happens at Camp?

Camp activity is divided into three groups. Elementary students will learn the basics of what VEX Robotics is, how to assemble and program a simple robot, and get introduced to how VEX Robotics competitions work. New students in this or any group will also get introduced to our team and how it works.

Middle school students will take on the current year's VEX IQ challenge right from the start, with new students given an introduction into VEX as part of one of our existing competition teams. Time will be focused on learning the year's challenge and designing a robot to meet the new year's unique set of limits and goals.

High school students will similarly work towards the team-oriented goals set by their year's challenge. Students will have an extra emphasis on design and coding as the more complex challenges at this level of competition will demand more in these areas.

Students in Control

VEX Robotics gives our students a single platform that grows with the student's capabilities as they age. The program has allowed our students to tackle difficult problems with their own ideas. At the very core of the VEX Robotics experience is the idea that the kids are the ones making decisions about how their robot will be built, programmed, and driven as well as the strategy for the year's challenge they want to pursue. As a team activity, it has given our students opportunities to lead, show their talents, and to meet students from as far away as other continents!

About Our Program

Our robotics program started in the 2018-2019 school year with three VEX IQ teams. We were shocked by our own success and sent two teams to state that year as well as winning the 2019 Minnesota VEX IQ Championship. We then went on to participate in the 2019 World Championship, competing with teams from all over the world in Louisville, Kentucky.
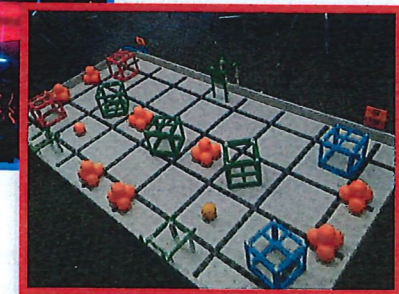
Our second year we were able to send four of our five teams to state and expanded to include a small but award-winning VRC team. After a year off from competition due to COVID-19, we made a big comeback in 2021-2022 with four IQ teams attending at state and one team securing a World Championship and placing 6th in our division of 80 teams! Since then we have consistently been state competitors each year.

How to Sign Up

Interested students can find a signup form on the back of this flier. The camp's cost is $80 and covers all the materials that students will need for the camp other than their ingenuity and drive. Sign up forms can be brought back to the Divine Mercy Catholic School or Bethlehem Academy offices. Checks should be made out to **Divine Mercy Catholic School**. We have limited space, so interested students should sign up early to make sure that they get a chance to join us in this summer.

VEX world championship, where teams can compete alongside students from around the world (above)

VEX IQ Challenge Arena, 2019-2020

DMCS and BA Robotics Camp 2024 Sign up

Student Name: _____

Student FALL 2024 Grade: _____

Student will get home by…

☐ Getting Picked Up

☐ Driving (Grade 10 +)

Parent/Guardian Name(s):

_____

Parent/Guardian Phone Number(s):

_____

Parent/Guardian E-mail(s):

_____

_____

The above student intends to participate in the camp running from 8AM to 12PM Monday-Thursday on the weeks of 8/5 and 8/12.
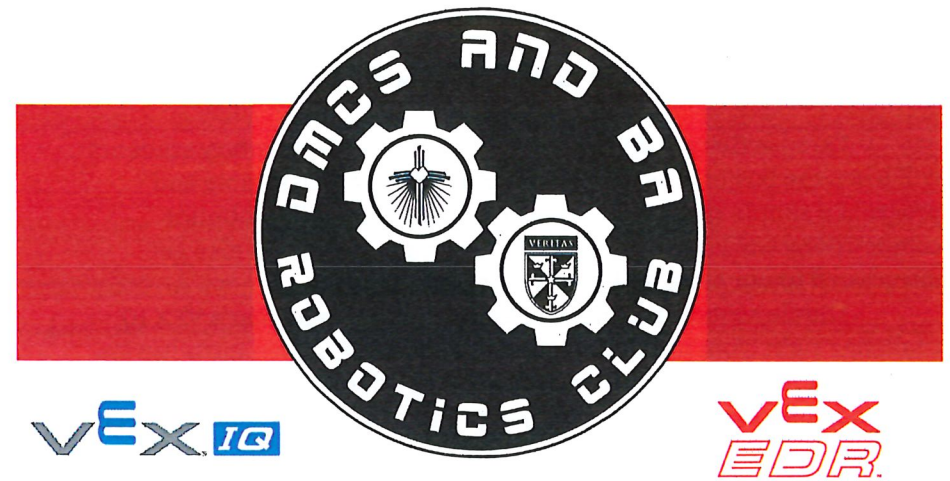
Parent/Guardian Signature:

_____

Date:
_____

Please make all checks payable to Divine Mercy Catholic School.
Please submit payment at time of sign-up.
Please email questions to mrobinson@dmcs.cc

Robotics Camp 2024

About the Camp

Divine Mercy Catholic School and Bethlehem Academy will be hosting a joint robotics camp this summer! This camp is meant for students interested in joining our robotics program at any skill level, and is also intended to give current members of our competition teams time to get started on the 2024-2025 VEX robotics challenges. The camp is open to students entering grades 3-12 this fall.

Robotics Camp will run Monday through Thursday the weeks of 8/5 and 8/12 . Camp will run from 8 AM to 12PM each day in the New Divine Mercy Catholic School Media Lab and Cafeteria located at 139 Mercy Drive, Faribault.

What is VEX Robotics?

VEX Robotics is a robotics platform designed to enable students of all ages to enjoy the challenges of design, engineering, competition, and leadership through the lens of robotics. Each year VEX Robotics puts out a new challenge for students. Challenges are divided into the elementary and middle school VEX IQ Challenge or the high school VEX Robotics Championship (VRC) challenges. Every year's challenge is different, but all ask students to design a robot to meet a particular set of design needs and limitations. The challenges call on our teams to work cooperatively with teams from other schools to score points. At the VRC level, elements of more direct competition become part of the challenge.