

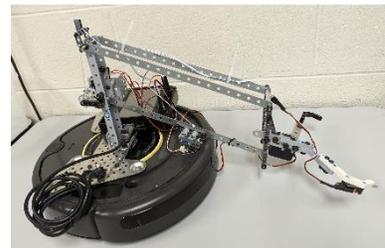


# 2022 Botball Robotics Tournament

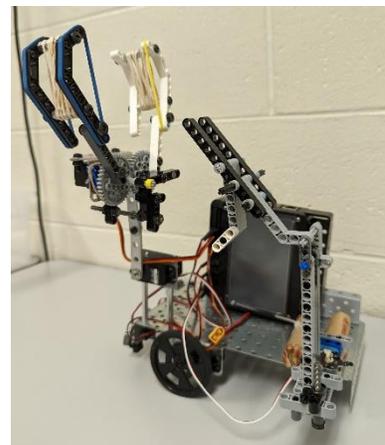
The YMWIC Varsity Robotics Team participated in the annual Greater Washington DC/Virginia Regional Botball Robotics Tournament. Mr. Roberts, Dr. Hampson, and a team of nine Scholars set out in the YMWIC Foundation van on May 13<sup>th</sup> for a road trip to Great Mills High School in Maryland. A total of nineteen teams of excited and talented youngsters participated in the tournament. Each of the teams designed and built two robots for the competition. Many of the teams were new this year and had to learn the basics of programming and/or mechanical design at the same time as they worked on the competition robot.



Members of the Varsity Team came to YMWIC Headquarters during any free time they had, including after school and on Sundays, in order to prepare for the competition. Our Scholars designed one robot, called a Create Bot (top right), on a Roomba base with a pulley system claw that would allow the robot to grab the weighted plush Botball mascot that starts each round at the highest point on the board. The second robot, called a Demo Bot (bottom right), was built on a metal chassis, and was designed with a wide claw and a storage device that would allow the robot to remove rings from a stack and store them so they could be placed in a scoring area.



At the competition, Andrea Lewis and Vicente Montes Ocampo were in charge of presenting the design and software plan to the judges, and Megan Campos and Xavier McClanahan were in charge of carefully setting up the robot for each round. The judges were impressed by the care that our Scholars took in making sure that the robot was perfectly placed each time. Throughout the day, Scholars supported other teams and lent batteries and other supplies to teams that needed them.



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The competition had two seeding rounds; and in the end, YMWIC placed in about the middle. Well done, Team!

Members of the YMWIC Varsity Robotics Team are: *Back Row* (left to right): Malcolm Lawrence, Andrea Lewis, Zion Lawrence, Daniel Adeyemi, Vicente Montes Ocampo; *Front Row* (left to right): Princesa Villalucio, Chelsea Campos, Xavier McClanahan, Megan Campos.

