

"Lego Robotics in Action"

Holy Rosary Middle School students are displaying their knowledge and talent with Lego Robotics this week at school. According to Holy Rosary science teacher Michael Montanari, 6th, 7th and 8th grade students are building and programming LEGO Robotics. Each class will have to program his/her EV3 LEGO Robot to complete a challenge course. Courses are different for each grade level. The challenge course is a 12-17 step obstacle course that includes turns, spins, starts, stops, sounds, maneuvering around cones, speed changes, and the ability for the robot to move like a tank (one set of wheels will move faster or slower than the other set to make the robot curve around a circle). Students spend 1 week building the robot from a set of instructions and learning how the robot moves, measuring the circumference of the tires and understanding how the motor responds to specific degree turns. Students have partners and spend the next three weeks programming the robot to move through and complete the challenge course.

