

Elementary Robotics – Otsego Public Schools

Elementary Robotics is underway for the second year and more than 80 students in 4th and 5th grade across the district are taking part. It's been a huge draw for students who are learning how to assemble a robot vehicle, program it and problem-solve as they work to get it



to perform different tasks, “Basically 25% of our students are in robotics,” says Michael Miller, Otsego’s Elementary Technology teacher who is the robotics advisor.



This year, students are using iPads to program their robots and there are different tasks like opening doors, catching ping pong balls, shooting or dropping balls in a basket, unlocking keys, and lifting a weight. Additionally, Miller is working on the development of a Zip-line challenge activity for students.

Miller also hosted a district competition for December. He’s thrilled to see the engagement from the kids is excited that the skills developed at this level will feed into the higher-level robotics teams. But most of all, he hopes they see the value in it,



“Hopefully it just gets them excited about science and technology and makes them think, ‘maybe this is something I’d like to go into’.”



Note: We are also using the EV3’s in our middle school 8th grade science curriculum. If you are interested in a teacher quote from that work, please let me know. Attached are some pics from the elementary robotics program.

Heather Kortlandt

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