

STEM Tidbits Issue #4

VEX Robotics

In this issue of STEM Tidbits we wanted to highlight one of the STEM and enrichment activities at both Mira Costa and MBMS. At the high school, two classes are offered that use the VEX educational robotics platform: Robotics and Advanced Robotics.

These are both taught by Mr. Brenan. There is a competitive Costa team that meets as a club after school and an afterschool club has now been created at MBMS with Costa and experienced middle school peer mentors supporting 6-8th grade students. VEX is one of the fastest growing platforms, developing students' skills with engineering and design, C++ coding, and learning of the engineering cycle and how to record data and process through a team Engineering journal.

Club Information

VEX at MBMS is led by Ms. Cooke and meets twice a week after school in Room 129. The club started up in October and right now has 15-20 current members. Mira Costa has nearly 50 members that participate on Fridays after school for about 3 hours.

Mr. Brenan is the advisor and the club is divided into two groups that specialize in the mechanical building of the robot and the computer programming of the robot. Through collaboration and iteration they work on becoming competition ready.

What is a VEX Robotics competition like?

Click and check these amazing videos!
[VEX Robotics Competition Overview](#)
[Spin UP VRC Finals](#)
[The VEX Worlds Experience](#)
[Exploring VEX Robot Design](#)

.....

This year's Club President, Samantha Yuan was asked the question of how VEX has influenced her. She responded that "Vex inspires me to teach others, and to be more innovative in my everyday life. Personally, I love that Vex allows our students to show their creative side, and allows them to work with others, even forming new friendships."

Below is last year's Costa Robotics Club!
Best of luck to these Mustangs in 2023!

