

Mt. Olive STEAM Camp: The Innovation Station

“Two sun-soaked and fun-filled weeks of fascinating and adventurous learning ANYWHERE!”

Although MORT does not host the STEAM Camp each summer, as it is district funded and run, that does not prevent us from volunteering!

The STEAM camp at our high school runs for two weeks with all different classes for the students to attend. It is open to all students, kindergarten to ninth grade. This year, MORT helped prepare the upcoming freshmen for their Beta year on MORT. With our head mentor, Mr. Otey, they worked to build a kit bot. The students were able to make it fully functional by the end of the week!! As they worked their way through the design and building process MORT members, specifically from our electrical and programming subteams, visited to teach and help the students learn. The students learned how to set up a pneumatic system and write and deploy code!!

Not only did MORT members assist with FRC related material, they also volunteered to help the 6th - 8th graders in their VEX robotics challenge. Just like the freshmen built the FRC kitbot, the middle school students followed instructions to build two different types of VEX robots. They were split up into different groups so no one worked alone. At the end of each week, the students competed in the different VEX challenges with their robots!!

Beyond robotics, MORT members apart of the drone club ran classes with a different group of 6th - 8th graders. Together, they built and raced their drones!! The drones they built, called quadcopters, could fly up to 35 mph!! The MORT members taught the students everything, including how to link their drones to special goggles that allows them to see through the drone's camera!

In total, with all of the MORT members and mentors volunteering at the event, MORT gained 230 outreach hours and a sustainable flow of incoming students looking to join our program!