



STEAM NEWSLETTER

SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATHEMATICS

NOVEMBER 2024

Dear Grade School Families,

In this edition of the Cardinal Mooney STEAM Newsletter, we will showcase our engineering program, spotlight another dynamic alumna in a STEAM field & bring you the latest in STEAM activities for Cardinal Mooney students. We hope you enjoy!

ACADEMIC PROGRAM SPOTLIGHT >

Engineering track providing skills

Throughout this two-year program, junior and senior students step into the varied roles engineers play in our society, discover new career paths and possibilities, and develop engineering knowledge and skills. Students also work in teams to design and test solutions. They are empowered to develop in-demand, 21st century skills like collaboration, critical thinking, and communication.



Many of our engineering students will participate in the Mooney RoboBots program. Our team will begin to build their robot this month, culminating in the April 26 competition at Lakeland Community College.

COMMUNITY STEAM PARTNERSHIPS >

OH WOW! comes to Cardinal Mooney

On Oct. 24, Mr. David Bernard's Earth Science students had the opportunity to learn essential lessons about our natural resources through a water filtration activity. In teams, students built the most effective water filtration system, guided by our friends from OH WOW! Our students creatively worked together to test, refine, and solve problems!

Forensics class visits YSU

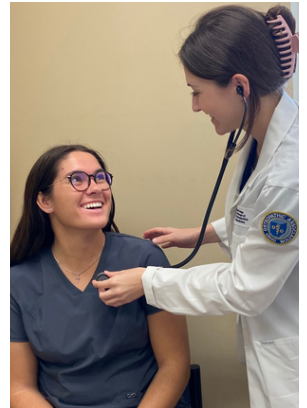
On Nov. 7, our Forensic Science students and their teacher, Ms. Samantha Rulong, visited the YSU crime condo & forensics lab. Students were able to search, photograph, and gather evidence from mock crime scenes, simulating real-world forensic investigations.

WOMEN IN STEAM >

Alumna making her mark in medicine

Shannon Reardon, class of 2018, is a medical student at Ohio University Heritage College of Osteopathic Medicine. Currently in the midst of her third-year clinical rotations, Shannon is gaining invaluable hands-on experience at both St. Elizabeth Youngstown and Boardman hospitals. Looking ahead, she eagerly anticipates completing her family medicine residency locally, where she hopes to deepen her connections within the Youngstown community. Shannon has a particular interest in specializing further in Hospice and palliative medicine, driven by a desire to provide compassionate care to those nearing the end of life.

Shannon attributes much of her professional drive and love for medicine to the education and values instilled in her at Cardinal Mooney High School. Our rigorous curriculum and emphasis on Catholic teachings played a pivotal role in shaping her character and career aspirations. Cardinal Mooney's focus on service, empathy, and ethical responsibility provided her with a strong moral compass, which has been instrumental in her journey through medical school.



Shannon Reardon, class of '18, pictured during a third-year clinical rotation.

CARDINAL CORNER >

Art Club shines at Millcreek Park

Last month, our talented Cardinal Mooney art club participated in two Millcreek Park seasonal events. For the fifth year, students decorated pumpkins for the Pumpkin Walk at Twilight. In addition, our students creatively designed and built a Cardinal Mooney scarecrow that was on display at Fellows Riverside Gardens throughout October.

