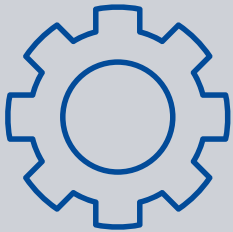
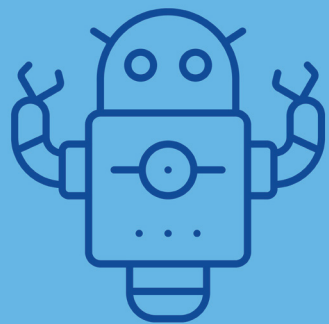




**MERCY  
UNIVERSITY**  
Center for STEM Education

## SATURDAY STEM ACADEMY: PROGRAMS FROM ELEMENTARY THROUGH HIGH SCHOOL





## Mercy University's Saturday STEM Academy

gives students in elementary, middle and high school an opportunity to learn hands-on STEM concepts and skills in a collaborative environment with distinguished STEM educators. We offer five STEM-focused programs, designed to engage students at every age. Students also experience college-readiness programming and interdisciplinary content.



**Scan the QR code to register today!**

**Registration Deadline:  
February 23, 2024**

### Where?

Mercy University  
Westchester Campus  
555 Broadway  
Dobbs Ferry, NY 10522

### When?

Four Consecutive Saturdays  
March 2, 9, 16 and 23, 2024  
9:00 a.m. - 12:30 p.m.  
\$300 per student for four sessions  
(Snack included)

Grades 1-2

### STEM with a Bird's Eye View

Instructor: Lisa Dulin

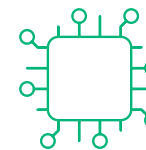


Let's explore how STEM can help us see the world like a bird! We will engineer bird houses, use robots to plot the course of migrating birds, create eyeglasses to see how and what an owl sees, and discover how to live in Antarctica like a penguin.

Grades 3-4

### You Makey Makey Me Want to Invent!

Instructor: Nancy Tavarez

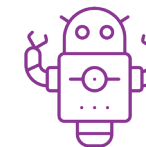


Imagine being able to control a computer with play-doh, fruit or even water! Collaborate with other students to invent new ways to interact with a Makey Makey circuit board using household items to discover their conductivity. Leave with knowledge about electronics, game controllers, and how hardware and software interact.

Grades 5-6

### Junior Rover Explorers with LEGO MINDSTORMS EV3

Instructor: Alicia Ricks



Calling beginner robotics engineers!! Construct a LEGO® MINDSTORMS® rover, learn basic programming for controlling motion, design tasks for the robot integrating sensors, and finally see how your rover performs in different challenges!

Grades 7-8

### Bioengineering and STEM

Instructor: Kiowa Garcia



Welcome to the fascinating world of bioengineering, where science, technology, and creativity converge to unlock the mysteries of how to solve real-world problems! On this STEM journey, we will use various materials to explore how to engineer and test medical prosthetics and robotic prototypes designed for humans and animals.

Grades 9-12

### Everyday STEM Hero: Health Basics in the Nursing Lab

Instructors: Dr. Patricia Sutton (Nursing Lab)  
Dr. Sharon Shockness (CPR)



What skills do you need in health careers? Learn basic emergency skills including basic first aid and splinting; listening for lung and heart sounds on anatomy dummies; and healthy living topics. Earn your American Red Cross CPR certification. All classes will include hands-on experiences in the Mercy University simulation and nursing skills labs.



To register for the Saturday STEM Academy, please visit: [mercy.edu/stem-learning](https://mercy.edu/stem-learning)  
or contact Mary Ushay: [mushay@mercy.edu](mailto:mushay@mercy.edu)

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**Westchester Campus**  
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Dobbs Ferry, NY 10522  
914-674-7674



We acknowledge with thanks the generous sponsorship of Sandpiper Fund and Con Edison.