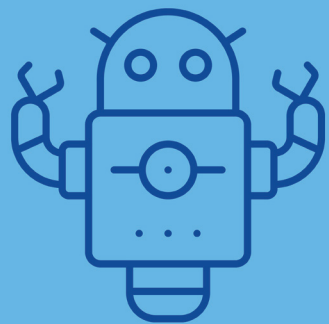




[mercy.edu/stem-learning](https://mercy.edu/stem-learning)



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



# Saturday STEM Academy

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:  
October 18, 2024



## Where?

Mercy University  
Westchester Campus  
555 Broadway  
Dobbs Ferry, NY 10522

## When?

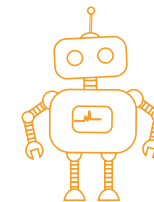
Four Consecutive Saturdays  
October 26, November 2, 9 and 16, 2024  
9:00 a.m. - 12:00 p.m.  
\$300 per student for four sessions  
(Snack included)



**Grades 1-2**

## Storytime with Robots

Instructor: Judith Henry



Let's use Sphero Indi robots to help us tell the story of Goldilocks and the Three Bears! Students will dive into the world of coding and storytelling in a way that combines creativity with technology. As they guide their Indi robots to re-enact key scenes from the story, students will learn how to program simple commands, understand cause and effect, and develop early computational thinking skills—all through interactive play.

**Grades 3-4**

## Why is it Raining? Weather and Water!

Instructor: Melody Castiglia



Where does water come from? Where does it go? How can we predict the weather? We will make a terrarium, discuss how clouds are formed and create cloud art, and learn about different type of weather systems and how to keep safe in all kinds of weather.

**Grades 5-6**

## Engineering for the Moon!

Instructor: Peta Gaye Morrison



Become first-time NASA engineers! Research and design a lunar dust mitigation device, figure out how to drill for water on the moon, construct a lunar base habitat, and design a system to transport fuel.

**Grades 7-8**

## Drone Expeditions

Instructor: Jamie Rossi



Explore the future of technology with our exciting Drone Coding class! Learn to pilot drones using block coding techniques, design thrilling obstacle courses, and program drones to complete exciting missions. Dive into debugging code to troubleshoot and improve your programs, and gain insights into the inner workings of drones by learning about their parts and how they fly. Learn about careers that use drone technology – that future might be yours.

**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)

---

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



We acknowledge with thanks the generous sponsorship of Con Edison.