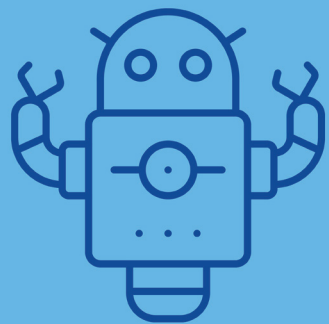


[mercy.edu/stem-learning](https://mercy.edu/stem-learning)



**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:  
February 21, 2025



## Where?

Mercy University  
Westchester Campus  
555 Broadway  
Dobbs Ferry, NY 10522

## When?

Four Consecutive Saturdays  
March 1, 8, 15 and 22, 2025  
9:00 a.m. - 12:00 p.m.  
\$300 per student for four sessions  
(Snack included)



Grades 1-2

## STEMtastic Fables and Fairytales

Instructor: Lisa Dulin



Build bridges for the 3 Billy Goats Gruff, engineer a house for the 3 Little Pigs, create a tower for Rapunzel, and race with the Tortoise and the Hare. Sphero and Bee Bot robots, Scratch Jr. and Platform will help us tell the story!

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

## Cardboard Carnival

Instructor: Jamie Rossi

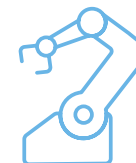


Engineer and build carnival games using cardboard, recyclable materials and your imagination! You will use the US Sustainable Development Goals as a guide and learn about how simple machines work. On the last day have fun playing with your creations!

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

## The Physics of Music and Sound

Instructor:  
Justin Kessler - Mercy University Faculty



Discover the role that science plays in audio recording, signal processing, audio mixing and live sound. Class will take place in the music engineering teaching lab, with the final session in the industry-grade Mercy University Recording Studio where students will work together to create and record an original piece of music.



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  
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