

SUMMER
2023



STEAM STUDIO

SCIENCE • TECHNOLOGY
ENGINEERING • ART • MATH



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Welcome to the **STEAM Studio**—a chance to explore Science, Technology, Engineering, Art, and Math in real life while having fun, making friends, and creating summer memories at Miami University Regionals' campuses! Each week of camp is centered around a common theme to provide unique hands-on opportunities to imagine, design, and bring your ideas to life while experiencing traditional (and not-so-traditional) summer camp activities. From robotics and game creation to environmental exploration and DIY art, you will see all areas of STEAM come alive. We can't wait to see you in Summer 2023!

PROGRAM SESSIONS

5th through 8th Grades

MAX OF
45
PARTICIPANTS
PER SESSION

MIAMI UNIVERSITY MIDDLETOWN

WOMEN IN STEAM | June 20th - June 23rd, 2023
Ever wonder who the first female field engineer was, and her connection to the greater Cincinnati area? Discover how women have made an impact through science and engineering, and try your hand at taking their contributions to the next level. Share your projects at the end of the week to inspire tomorrow's STEMists!
Program Cost: \$200

CULINARY CHEMIST | June 20th - June 23rd, 2023
Excite the budding chemist, and investigate something we all love: FOOD! Turn our kitchens into your science lab with tasty hands-on experiments, discover the secret to making boba balls, and more! Share your food discoveries at the end of the week with a "tasty" celebration and scientific food tour!
Program Cost: \$200

ROBOT MASTERS | June 26th - June 30th, 2023
What would you build and why, if given the chance to create your own robot? Join us this week and try your hand at basic coding, electrical wiring, and engineering while designing the prototype for your very own unique robot! At the end of the week, debut your creation during our Robot Expo!
Program Cost: \$250

ROBOT-IX | June 26th - June 30th, 2023
Did you attend Robot Masters last summer, and are you excited to take your robotics skills to the next level? Try your hand at designing, building, and coding your own team robotic mascot, while learning about potential robotics careers! Be ready to demonstrate your creation during our Robot Expo at the end of the week!
Program Cost: \$250
**Must have attended Robot Masters in 2022
Program is limited to 30 Participants

STEAM Survivor | July 5th - July 7th, 2023
Could you build and construct a shelter to withstand the elements? Can you design a cooler from cardboard to keep food cold, or engineer a water still to obtain clean drinking water? Join us in the STEAM Studio this week to test your creativity and ingenuity, and see if you have what it takes to survive off the grid!
Program Cost: \$150

MIAMI UNIVERSITY HAMILTON

The ART of STEAM | July 10th - July 14th, 2023
Explore the "A" in STEAM to the fullest potential this week by bringing visual arts to life! Investigate how the science of music, video game design, and creative thinking all come together while producing your own unique masterpieces. Debut your one-of-a-kind artistic visions at the STEAM Studio Art Show!
Program Cost: \$250

WOMEN IN STEAM | July 17th - July 21st, 2023
Ever wonder who the first female field engineer was, and her connection to the greater Cincinnati area? Discover how women have made an impact through science and engineering, and try your hand at taking their contributions to the next level. Share your projects at the end of the week to inspire tomorrow's STEMists!
Program Cost: \$250

TAKE FLIGHT | July 17th - July 21st, 2023
Take your summer to new heights! Spend the week engineering original aircraft, try your hand at drone flying, and conduct aerospace experiments! At the end of the week, unveil your prototypes for the future at our Aerospace Expo!
Program Cost: \$250

LEVEL UP | July 24th - July 28th, 2023
Instead of playing video games, why not get into the game? Join us this week to learn about game design and take your love of gaming to the next level! Try your hand at programming a game for a micro bit, create an original top-down game, and more! At the end of the week, share your projects during our Gaming Expo!
Program Cost: \$250

ULTIMATE GAMER | July 24th - July 28th, 2023
Level Up Graduates: Take your gaming knowledge up another level this week! Build and program a game controller, use JavaScript to code your own game, experience ESports, and learn about careers beyond basic game design! At the end of the week, share your designs during our Gaming Expo!
Program Cost: \$250
**Must have attended Level Up in 2022
Program is limited to 30 Participants



3rd and 4th GRADERS ONLY

FULL STEAM AHEAD

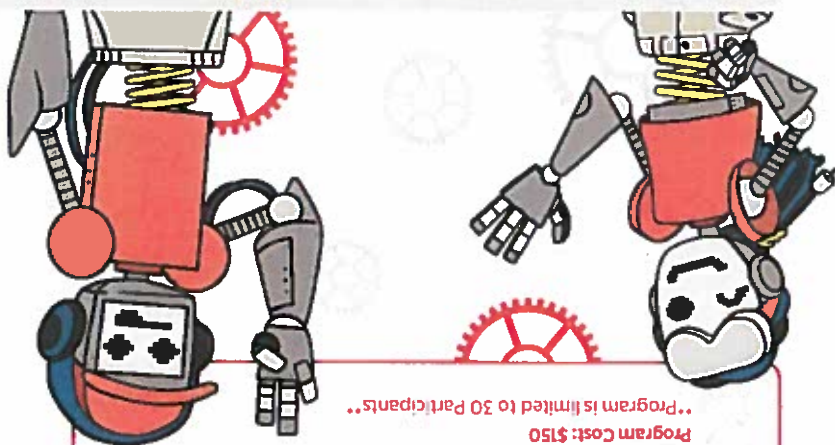
Middletown | July 5th - July 7th, 2023

Hamilton | July 12th - July 14th, 2023

Calling all 3rd and 4th Graders! STEAM up your summer and try your hand at engineering toys, programming micro:bits, and so much more! At the end of the week, share your creations during our STEAM Expo!

Program Cost: \$150

Program is limited to 30 Participants



LEADERSHIP ACADEMY

For those entering 9th and 10th Grade

The STEAM Studio Leadership Academy (Leaders-in-Training) is designed for teens looking for an opportunity to strengthen their leadership and workforce skills while having summer fun! Our LIT program provides teens many opportunities to achieve personal goals, and in addition, teens experience diverse roles, and important responsibilities as they develop, mature, and progress within our program while working alongside our experienced STEAM Studio staff.

Camp Hours
9:00 a.m. - 4:00 p.m.

STEAM Studio 2023 Sample Daily Schedule

9:00 a.m. - 9:15 a.m.

Check In

9:15 a.m. - 9:30 a.m.

Power Up! Group Team Building

Group Team Building Activities

9:30 a.m. - 10:00 a.m.

Daily Kickerstarter Challenge

A STEAM challenge to start the day!

10:15 a.m. - 11:30 a.m.

Program Theme Hands-On Workshop #1*

STEAM activities that are focused around our weekly theme

11:45 a.m. - Noon

Mindbender

Mini-mysteries, brain-teasers, mathematical challenges, and more!

Noon - 1:00 p.m.

Lunch/Recreation Time

1:15 p.m. - 2:30 p.m.

Program Theme Hands-On Workshop#2*

2:45 p.m. - 3:45 p.m.

Camper Choice Session

A mixture of themed crafts, large-scale general STEAM activities, focused physical activities and more! Campers will choose from daily activities being offered.

4:00 p.m.

Power Down! Checkout

A chance to reflect on our day's experiences!

JOIN US!

MiamiOH.edu/regionals/steamstudio

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