

Youth Programs

Workforce Development and Continuing Education | April 15, 2023

MC Youth Programs presents



GOLDSMITH EDUCATION LLC.

Goldsmith Education LLC provides technology education to elementary through high school students in interesting, fun and exciting ways. Students learn science, mathematics and engineering concepts in a thought provoking, safe and varied educational environment with exposure to a multitude of age appropriate learning tools, programming (coding) languages and specially designed physical kits. Our program starts by giving students base knowledge in technology starting with the very basic machines to compound builds growing toward opened ended building and programming opportunities. Our idea of technology education is that students need to be grounded in physical construction in order to truly understand how to create a program to manipulate the world around them.



A Special One-day Program at Montgomery College for All Students Ages 6–16.

Saturday, April 15, 2023

MC Takoma Park/Silver Spring Campus

8:30 a.m.–3:30 p.m.

Ages 6–16

Cost for full day program is \$125

Schedule:

| | |
|-----------------|-------------------------|
| 8:30–8:45 a.m. | Check In |
| 8:45–8:55 a.m. | Welcome |
| 9 a.m.–12 p.m. | Morning Session |
| 12–12:30 p.m. | Lunch (Bring bag lunch) |
| 12:30–3:30 p.m. | Afternoon Session |
| 3:30 p.m. | Dismissal |

To register or for more information, go to: www.montgomerycollege.edu/youth

As a reminder, each child is required to bring their own bag lunch and drink.



For more information, contact
YouthProgramsDirector@montgomerycollege.edu

www.montgomerycollege.edu/youth
240-567-5188

STEM Simple Machines and Engineering & STEM Coding with LEGO®

Ages 6–10

Course #: YTH573 CRN#: 34679

Come join MC Youth Programs and Goldsmith Education, LLC for a day full of STEM. In one of the sessions, you will learn the basics of engineering such as simple machines and mechanisms. These basics are taught through the building and modifying of LEGO® models. You will build both simple and intricate models to build your engineering prowess. Come build something amazing using engineering and design. In the other session, you will be challenged to build robots and program them to respond to outside input like sound and touch. This program uses LEGO® block coding to enable you to program machines to do incredible things. Learn to use sensors and motors to bring LEGO® constructions to life in this fun interactive class. Please note: Youth Programs staff will divide students into two groups. If you are registering with another student you wish to spend the day with, please contact YouthProgramsDirector@MontgomeryCollege.edu so we can ensure your request is granted.



VEX Robotics and Stem Coding & Coding and Robotics with LEGO® Mindstorm

Ages 11–16

Course #: YTH575 CRN#: 34680

Come join MC Youth Programs and Goldsmith Education, LLC for a day full of STEM. In one of the sessions, you will learn basics of robotics and coding. Using VEX robots you will start by learning to control the robot through remote control and graduate up to full programming of the device. This course teaches students linear thinking and problem-solving skills. Come do something amazing. In the second session, you will bring a wheeled robot to life using LEGO® EV3 Mindstorm. Learn how to drive and maneuver this wheeled bot through coding. Using LEGO® block style coding we will teach your robot to move through space, driving, turning, and solving mazes. This class will teach you how to experiment with robotic piloting skills using measurement and critical thinking skills. Please note: Youth Programs staff will divide students into two groups. If you are registering with another student you wish to spend the day with, please contact YouthProgramsDirector@MontgomeryCollege.edu so we can ensure your request is granted.

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